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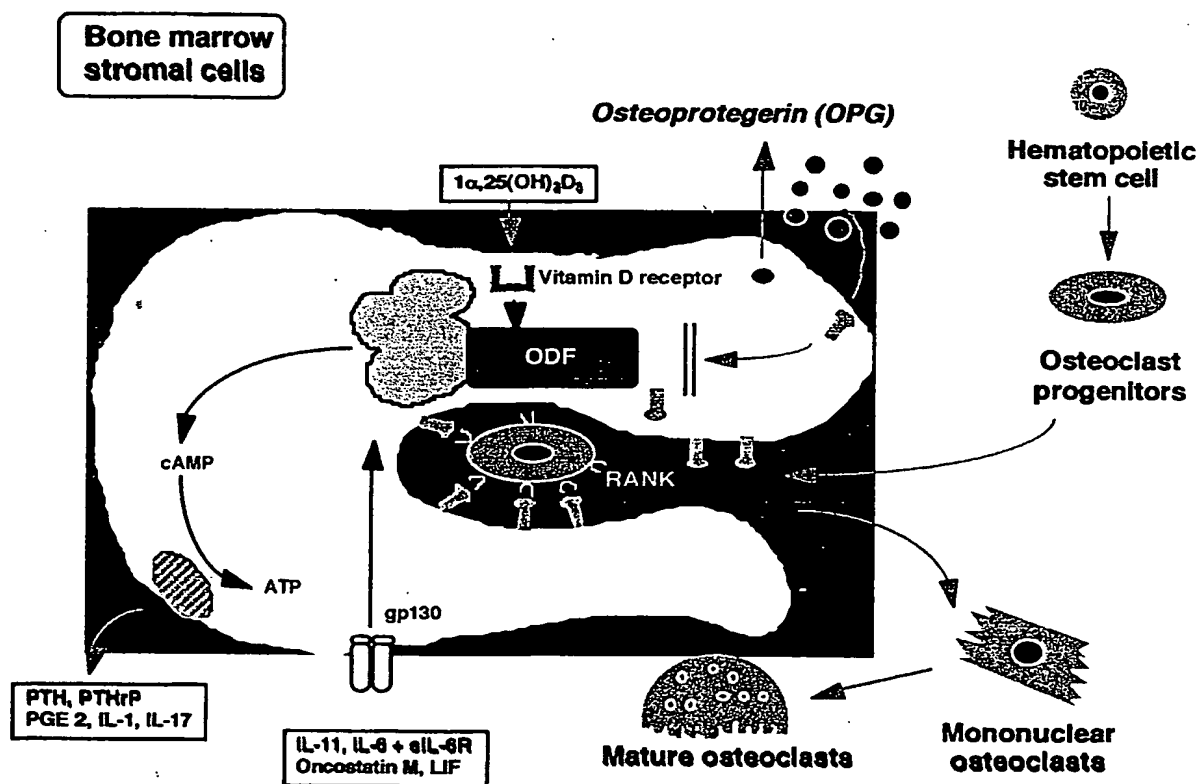
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*Figure 1*

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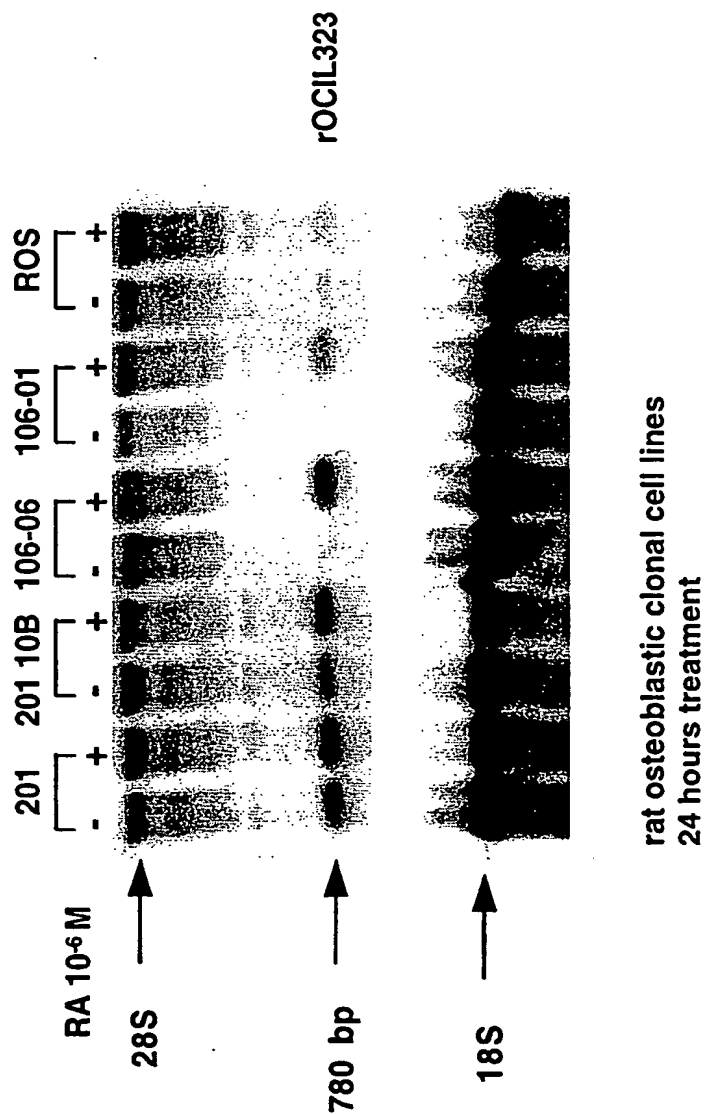


Figure 2

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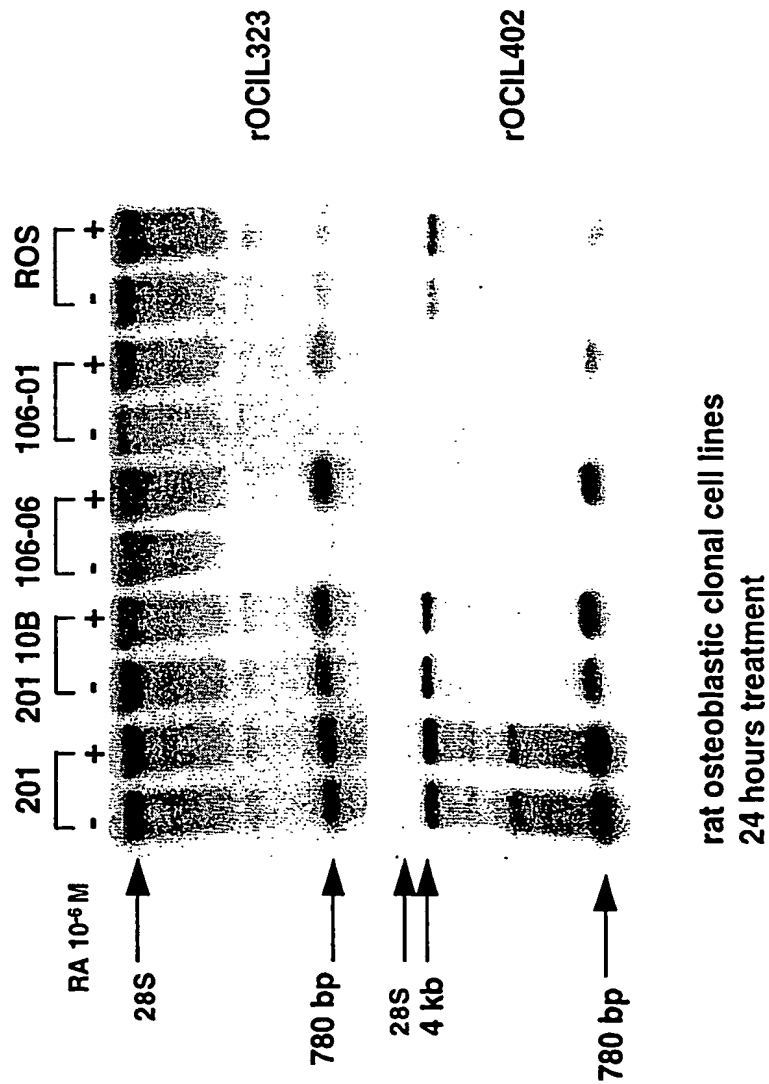


Figure 3

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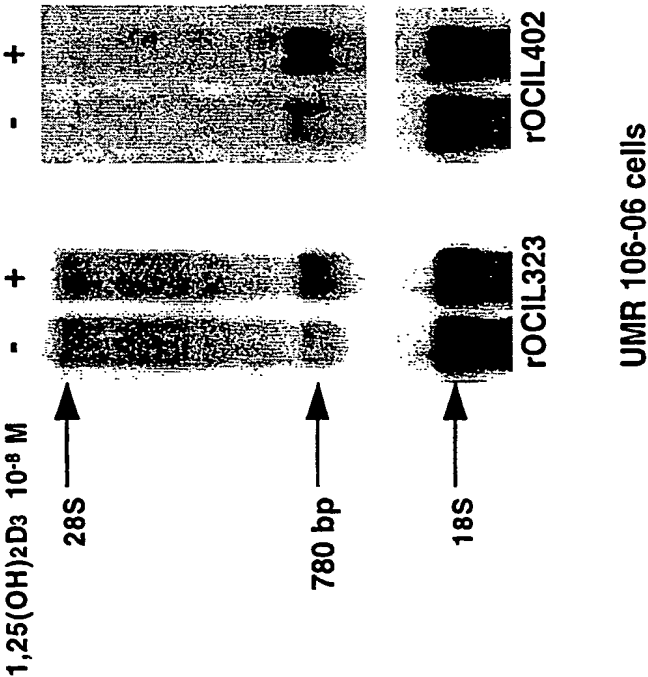


Figure 4

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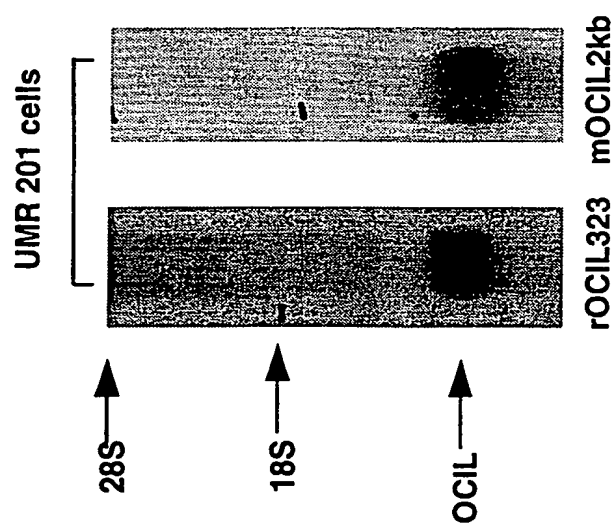
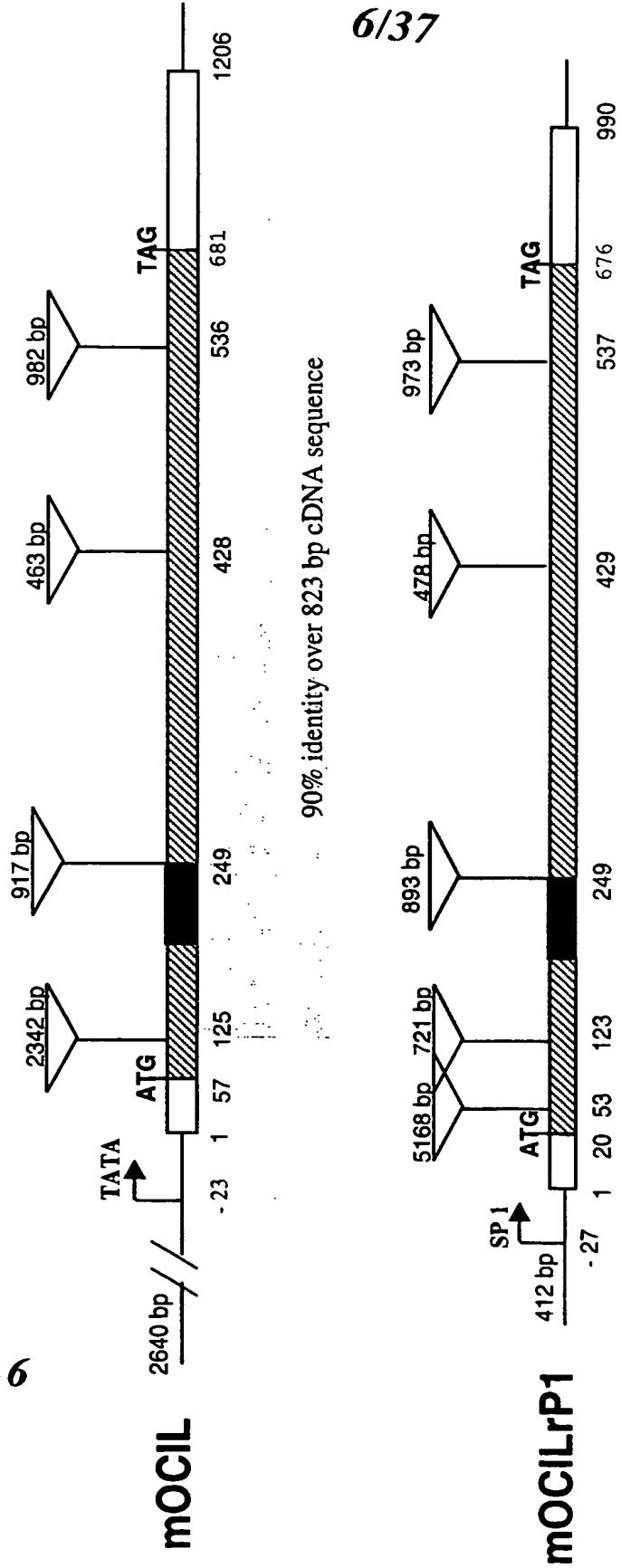
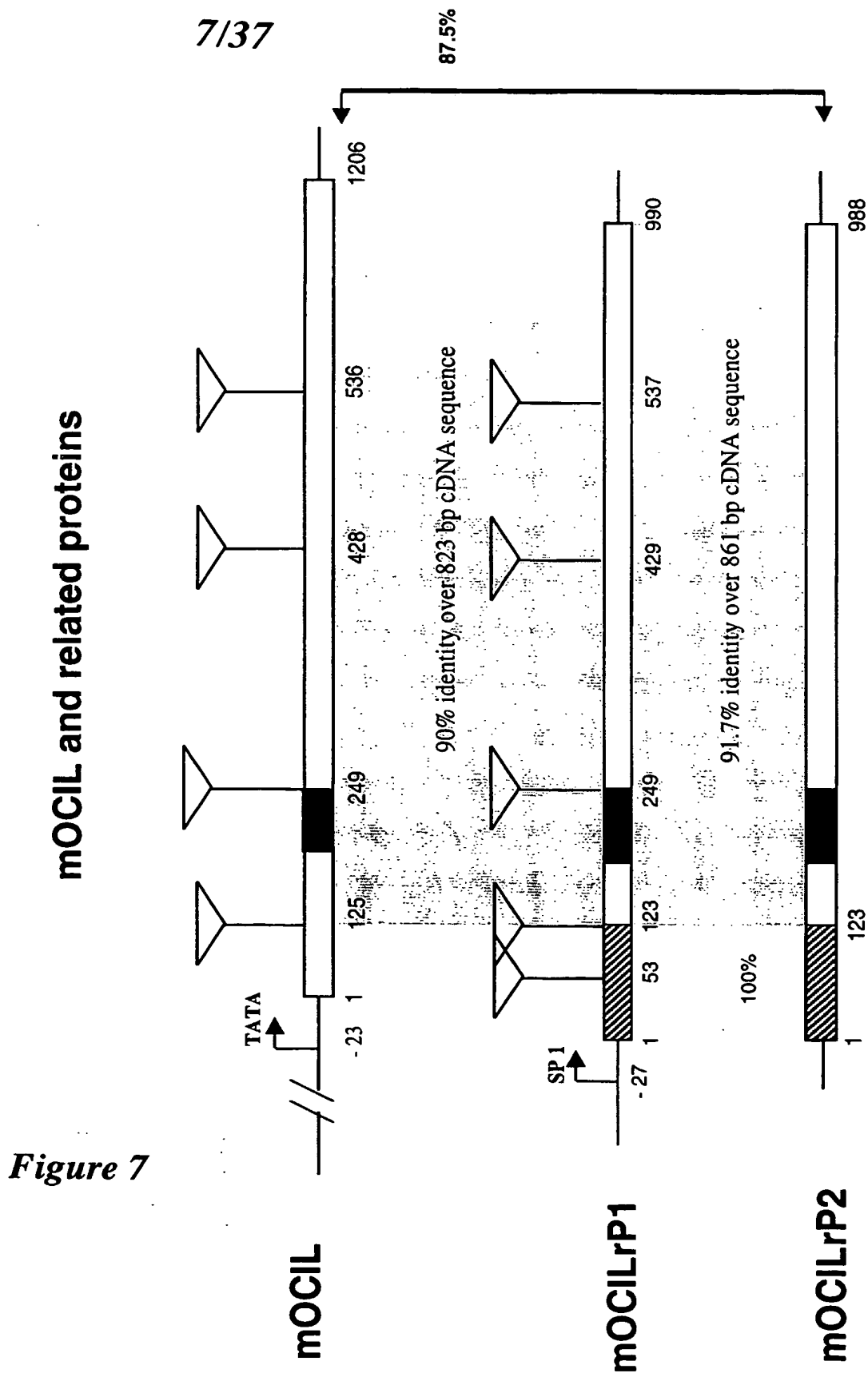


Figure 5

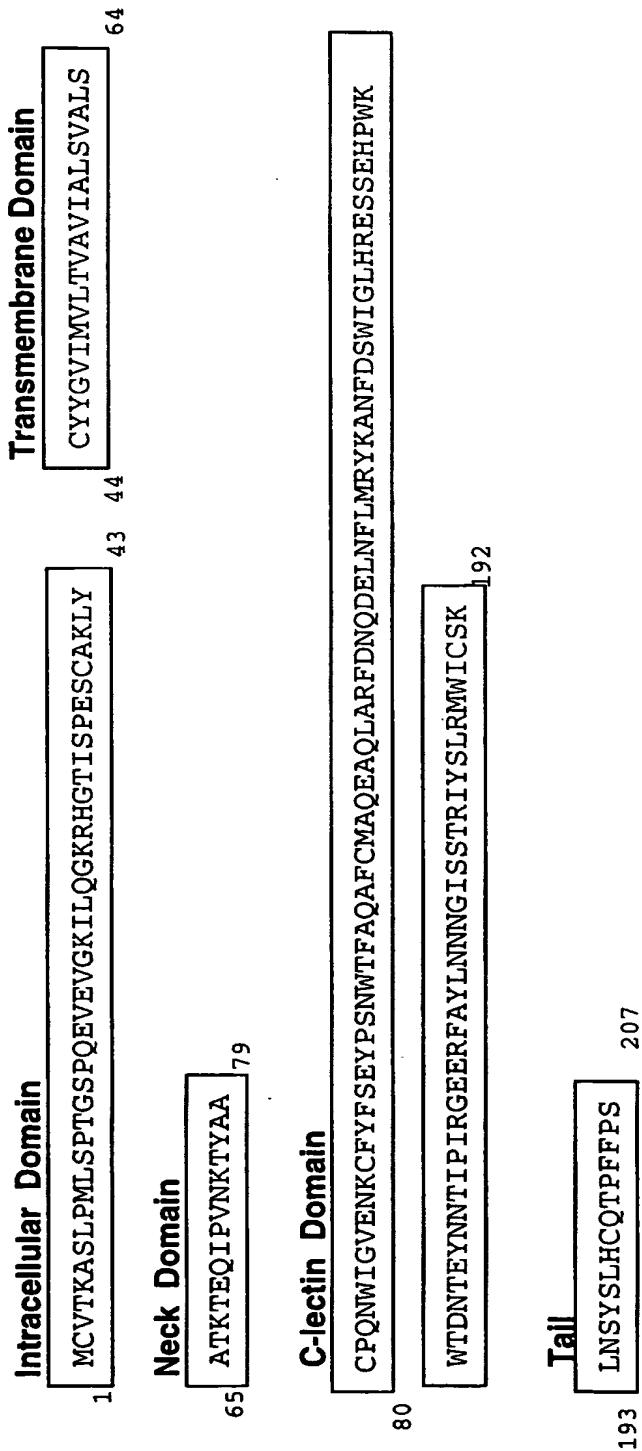
Gene structure for mOCIL and mOCILrP1

Figure 6



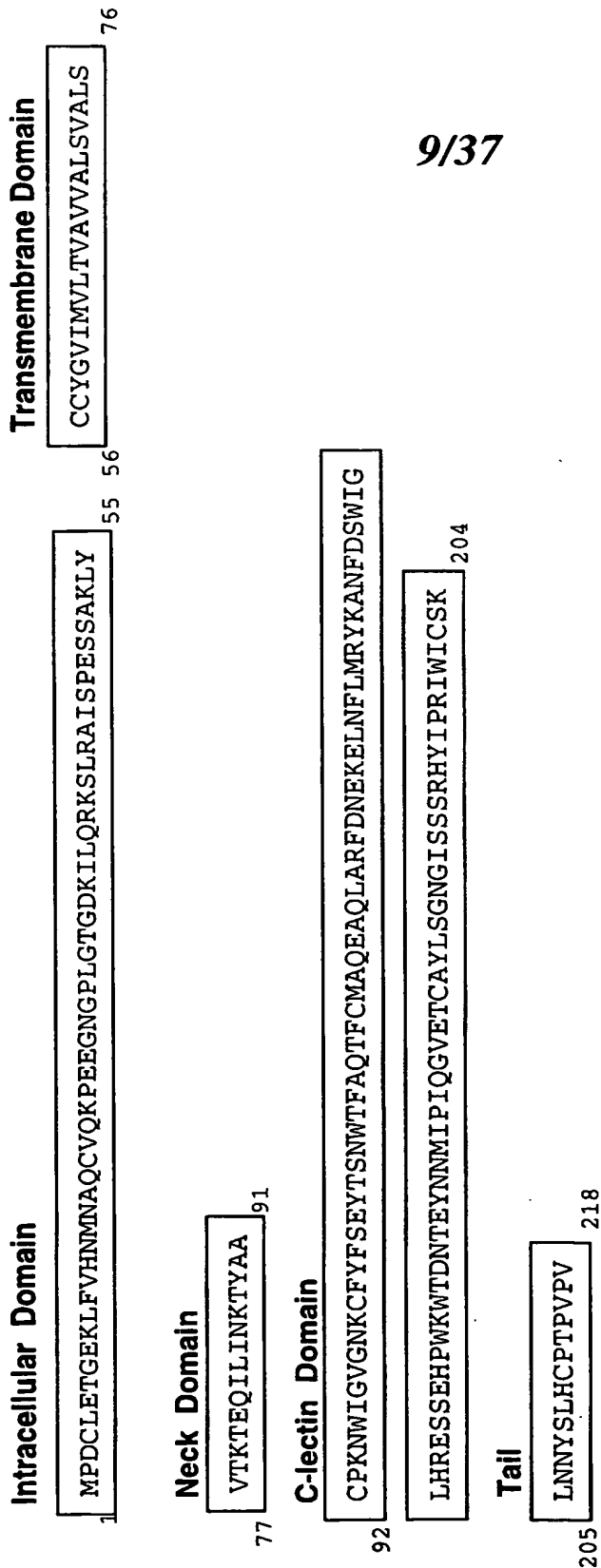


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The deduced amino acid sequence of mOCIL with a predicted cytoplasmic domain, a transmembrane domain and extracellular domain containing a neck domain, c-lectin domain and tail

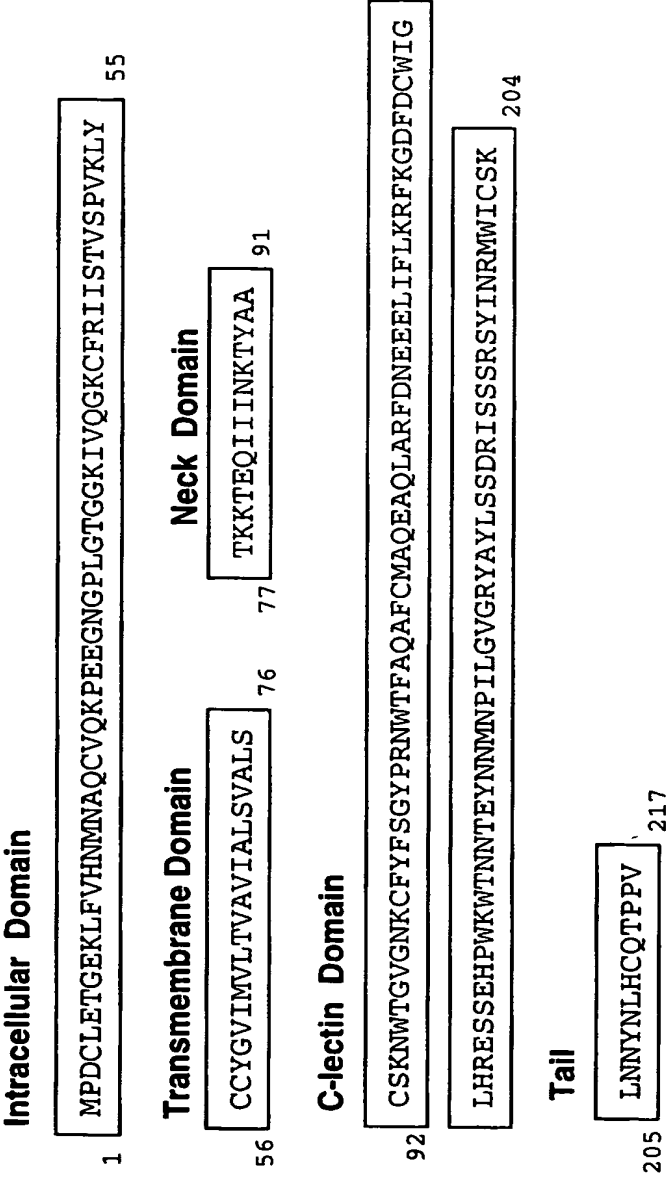
Figure 8a



The deduced amino acid sequence of mOCILrP1 with a predicted cytoplasmic domain, a transmembrane domain and extracellular domain containing a neck domain, c-lectin domain and tail

Figure 8b

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The deduced amino acid sequence of mOCILrP2 with a predicted cytoplasmic domain, a transmembrane domain and extracellular domain containing a neck domain, c-lectin domain and tail

Figure 8c

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ClustalW Formatted Alignments

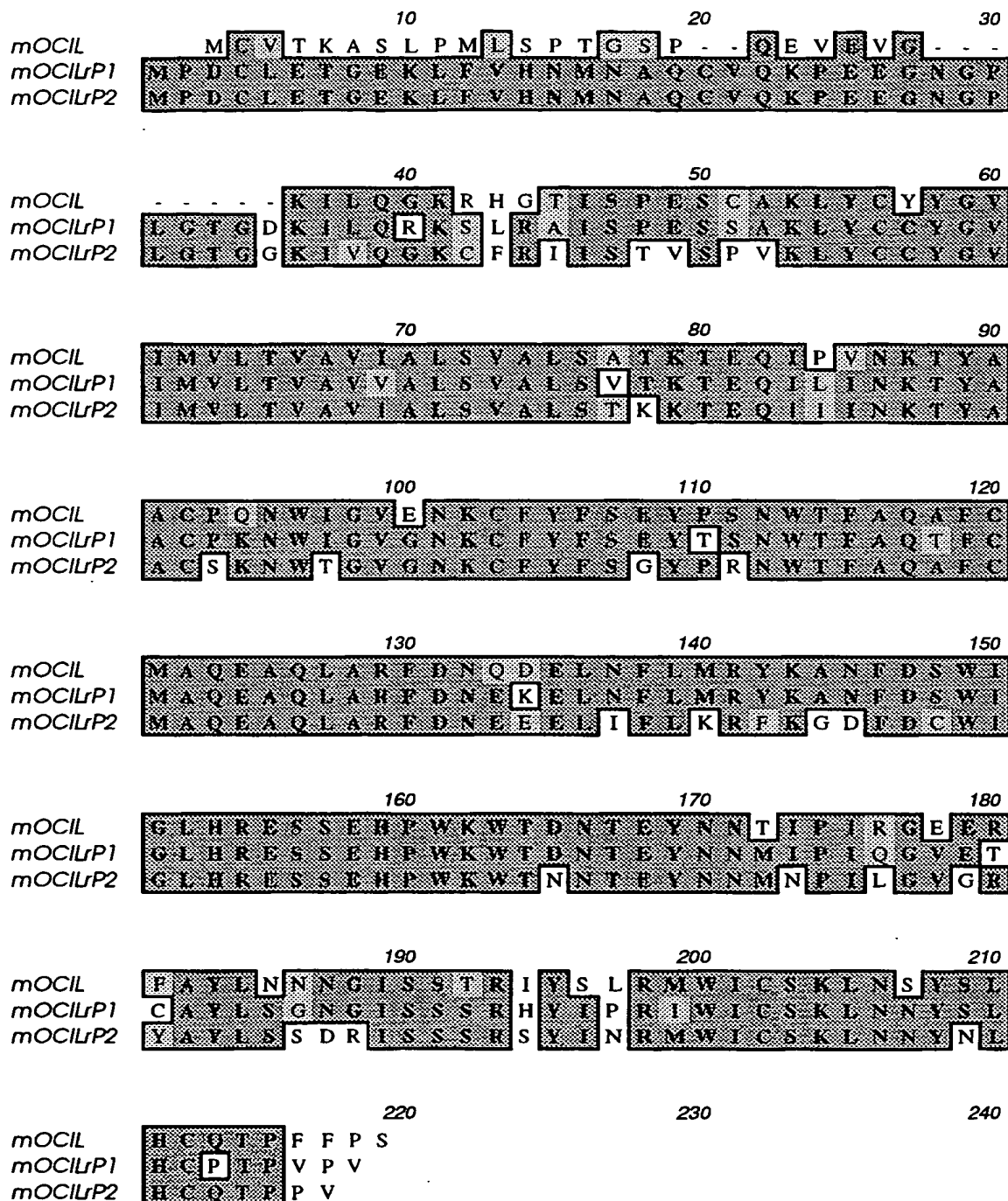
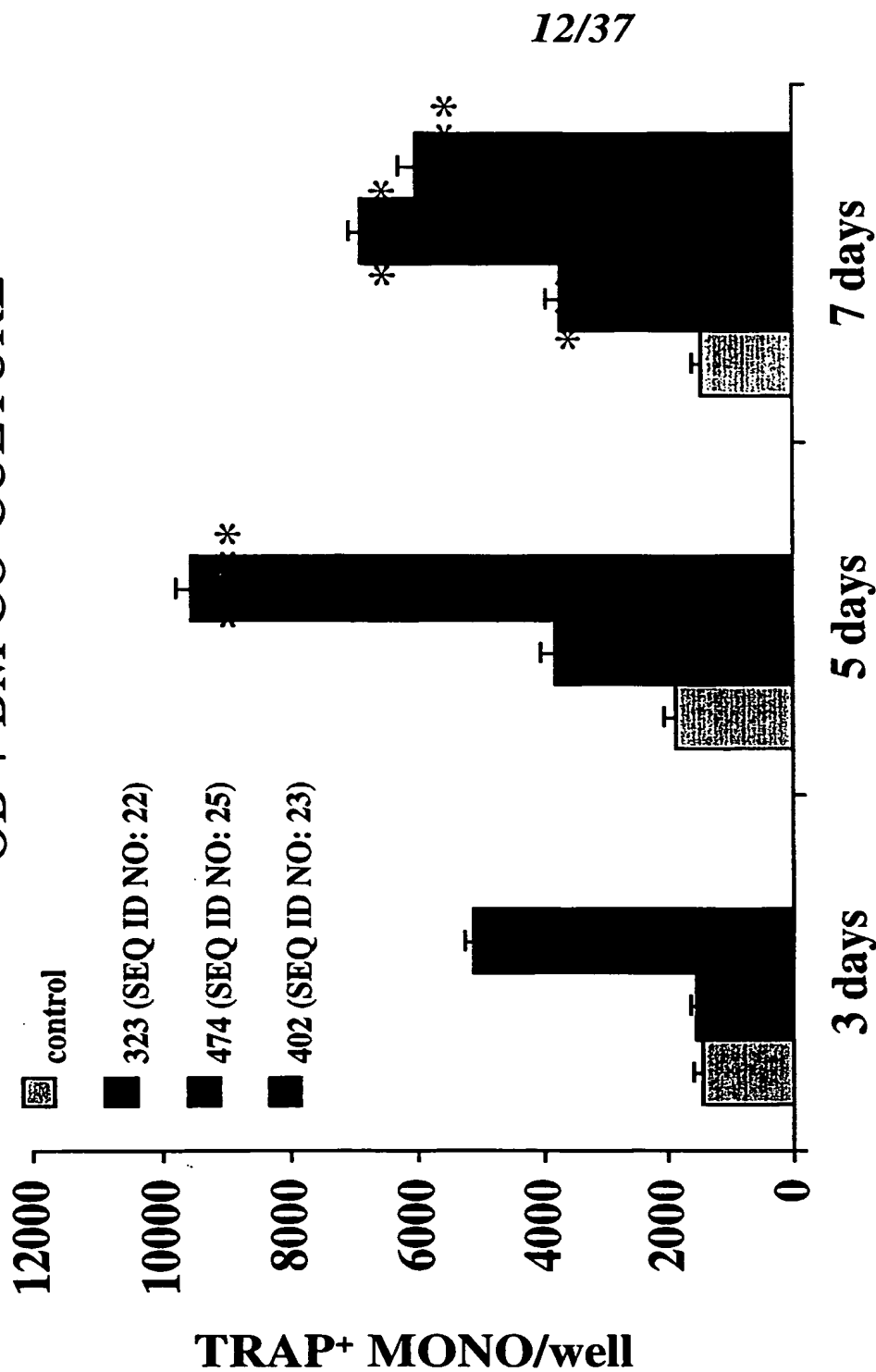


Figure 9

OB + BM CO-CULTURE



TRAP: tartrate-resistant acid phosphatase

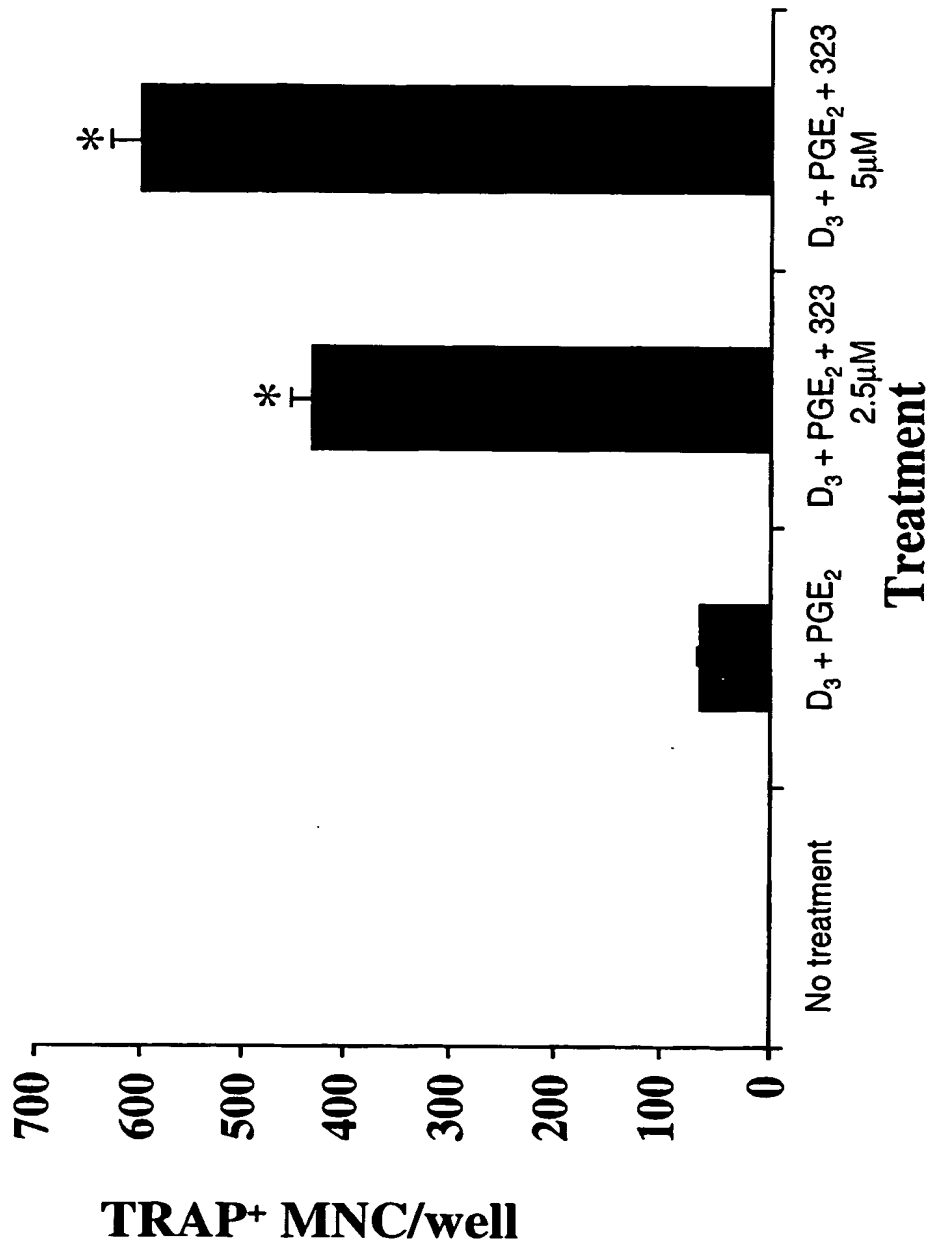
MONO: mononucleate osteoclast precursors

*p < 0.025 vs control; **p < 0.005 vs control; ***p < 0.001 vs control; ****p < 0.0001 vs control

Figure 10A

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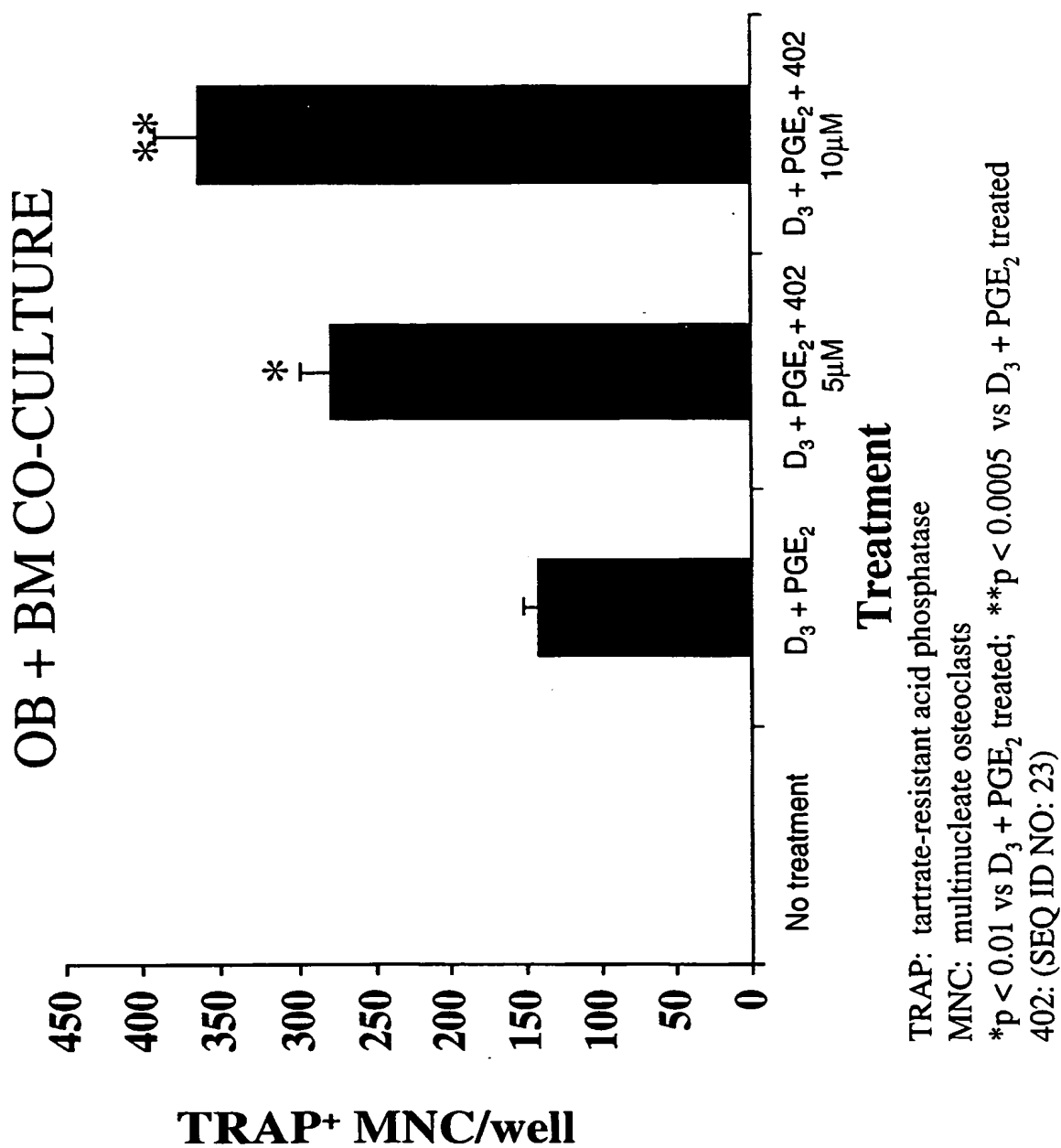
OB + BM CO-CULTURE



TRAP: tartrate-resistant acid phosphatase
MNC: multinucleate osteoclasts
*p < 0.0001 vs D₃ + PGE₂ treated
323 :(SEQ ID NO: 22)

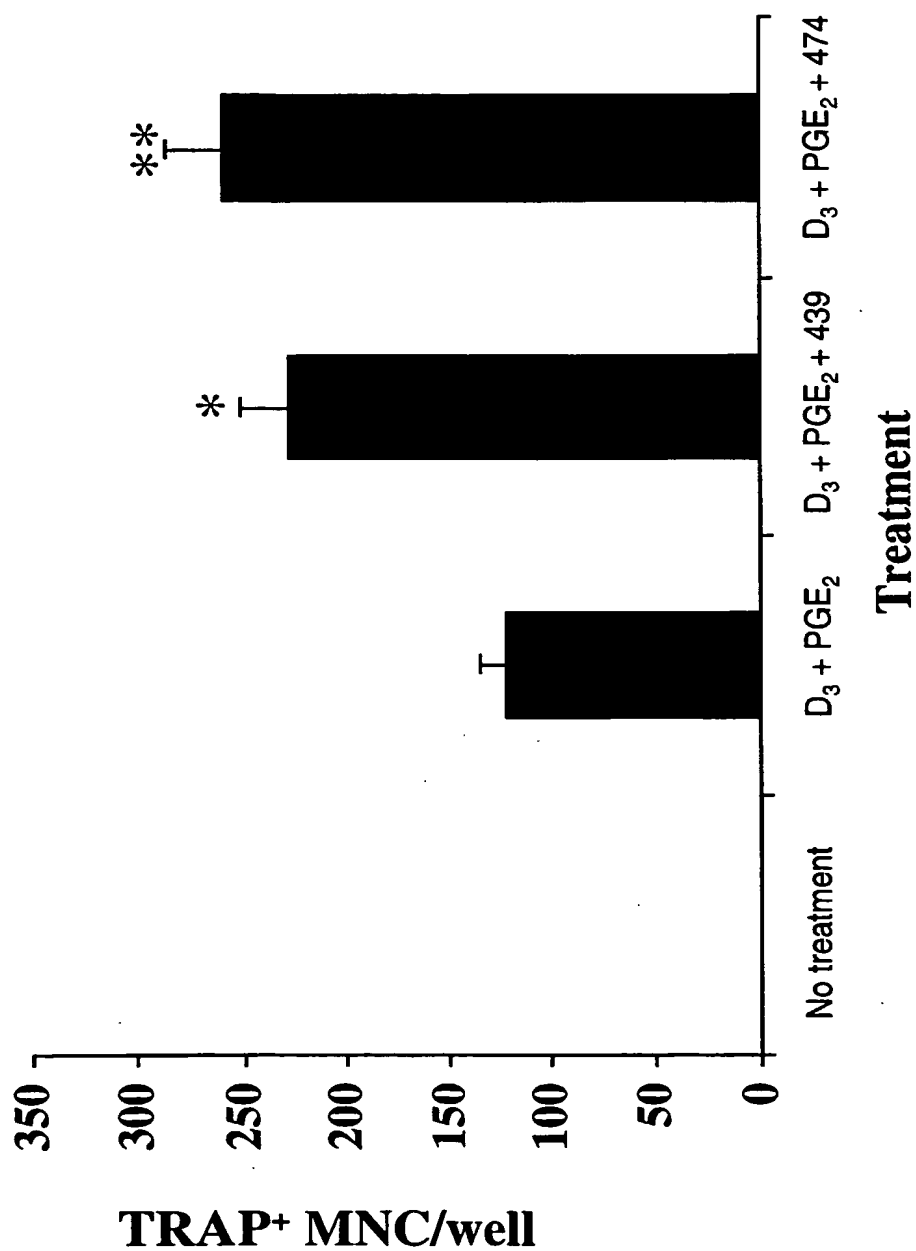
Figure 10B

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*Figure 10C*

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OB + BM CO-CULTURE



TRAP: tartrate-resistant acid phosphatase

MNC: multinucleate osteoclasts

*p < 0.025 vs D₃ + PGE₂ treated; **p < 0.005 vs D₃ + PGE₂ treated
439: (SEQ ID NO: 24); 474: (SEQ ID NO: 25)**Figure 10D**

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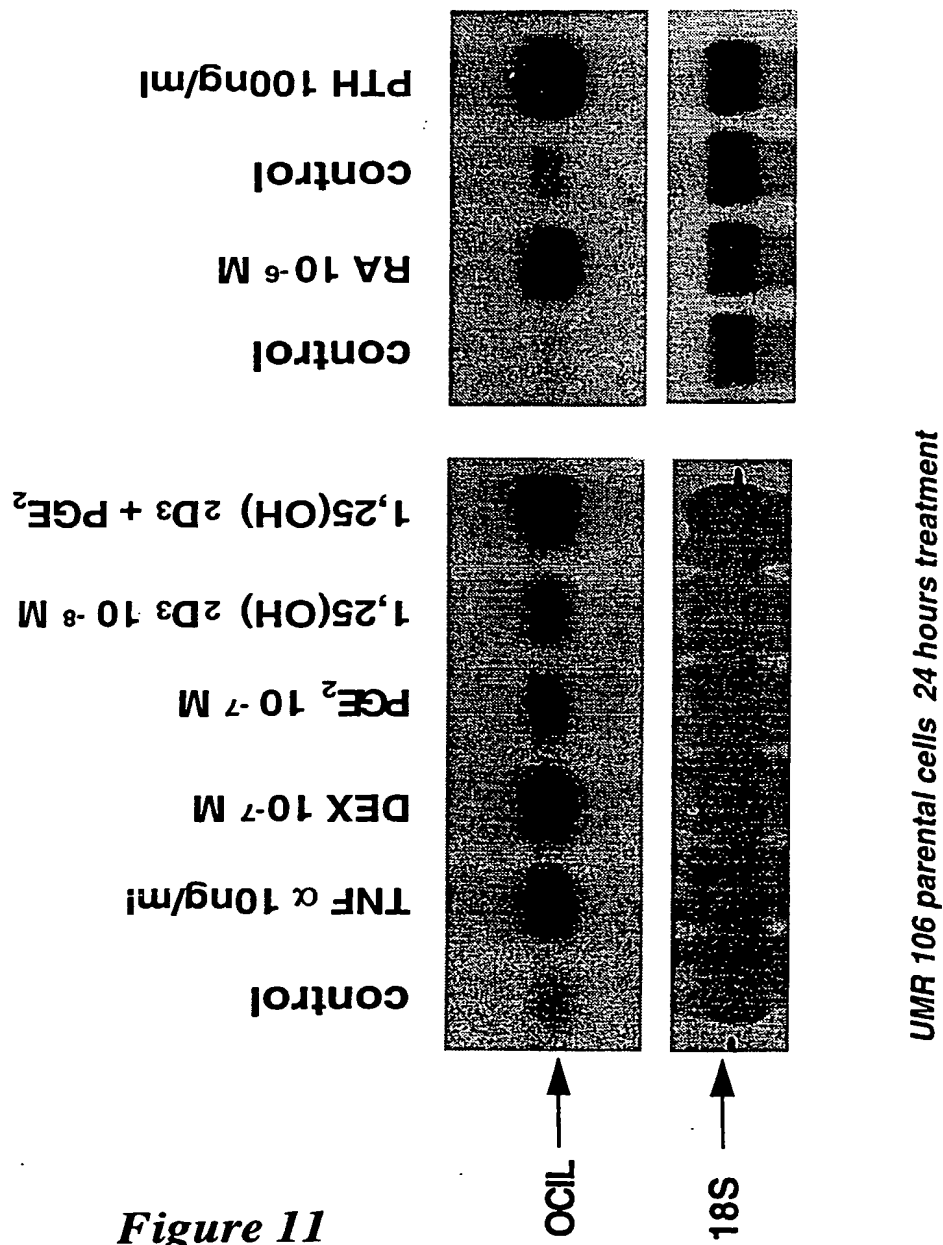


Figure 11

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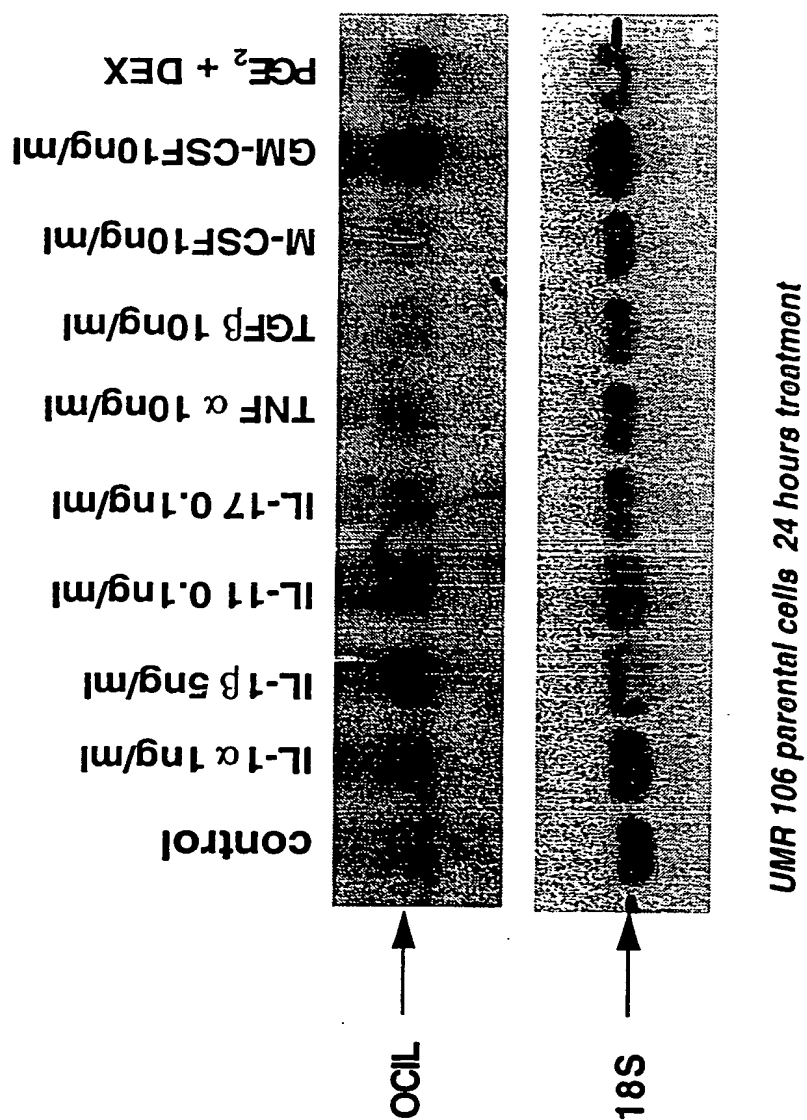


Figure 11 (cont'd)

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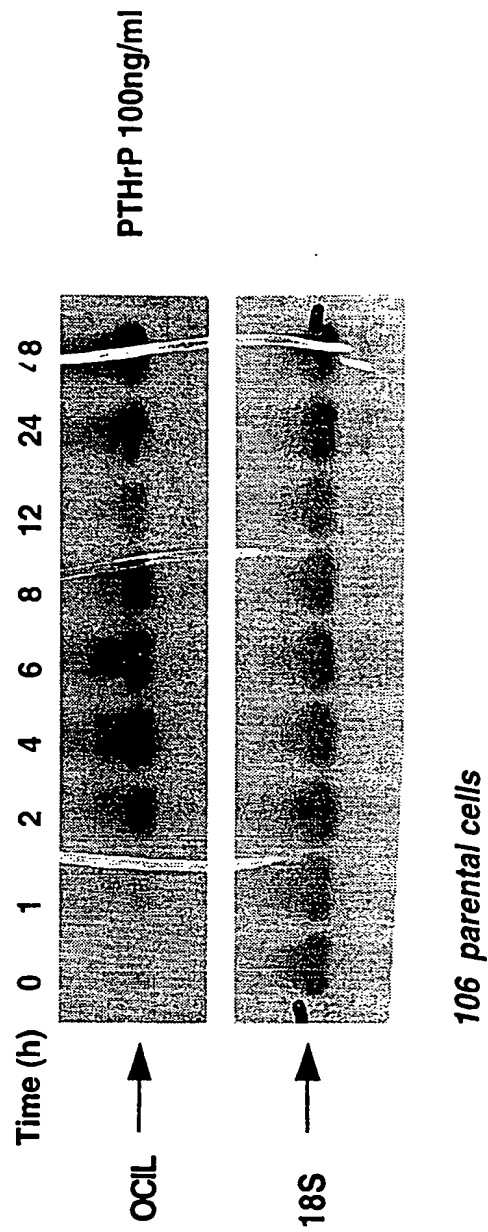


Figure 12A

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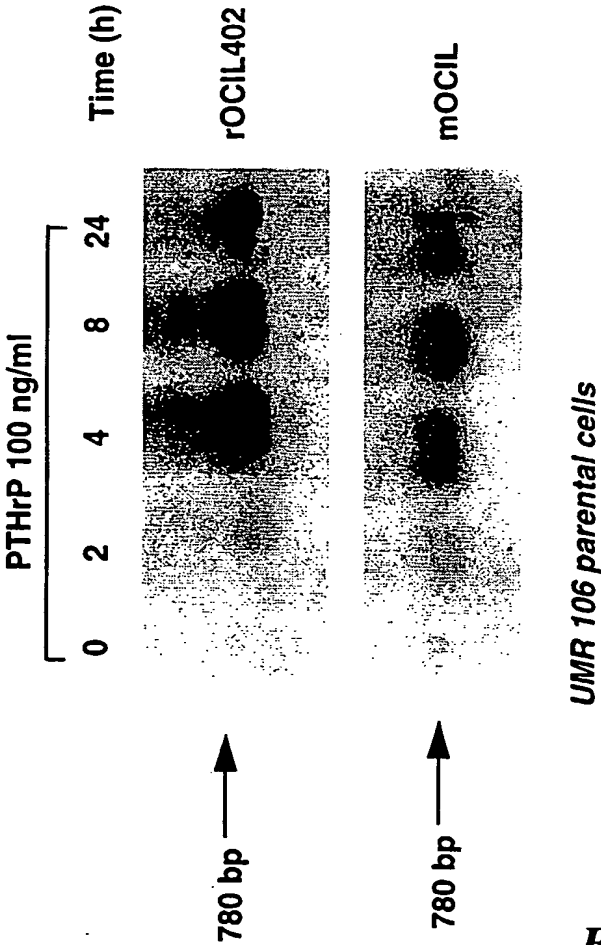
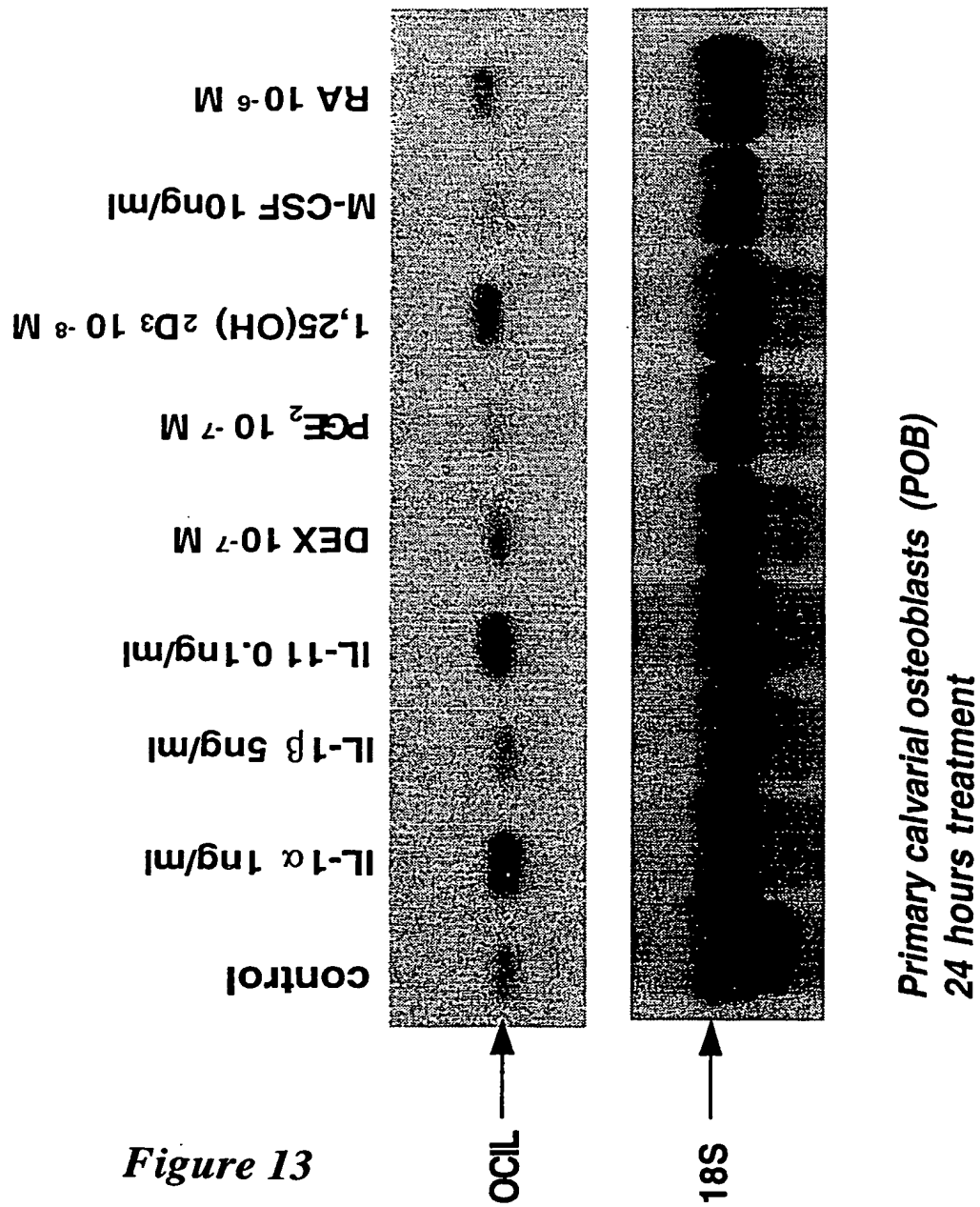


Figure 12B

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*Figure 13*

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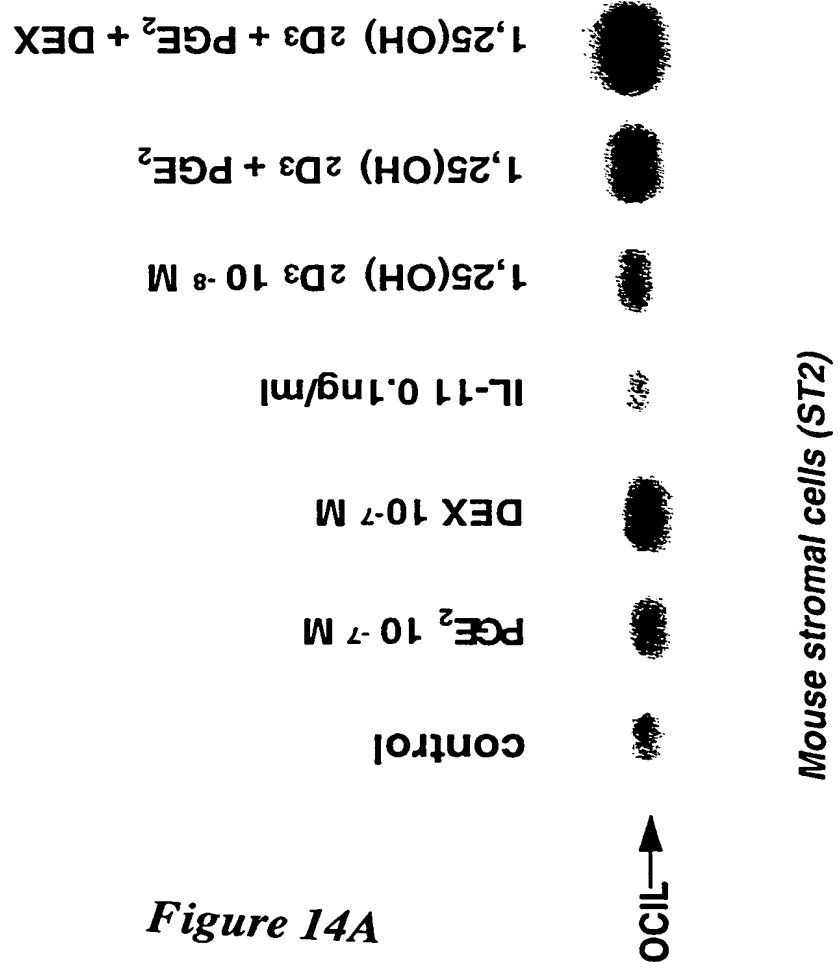


Figure 14A

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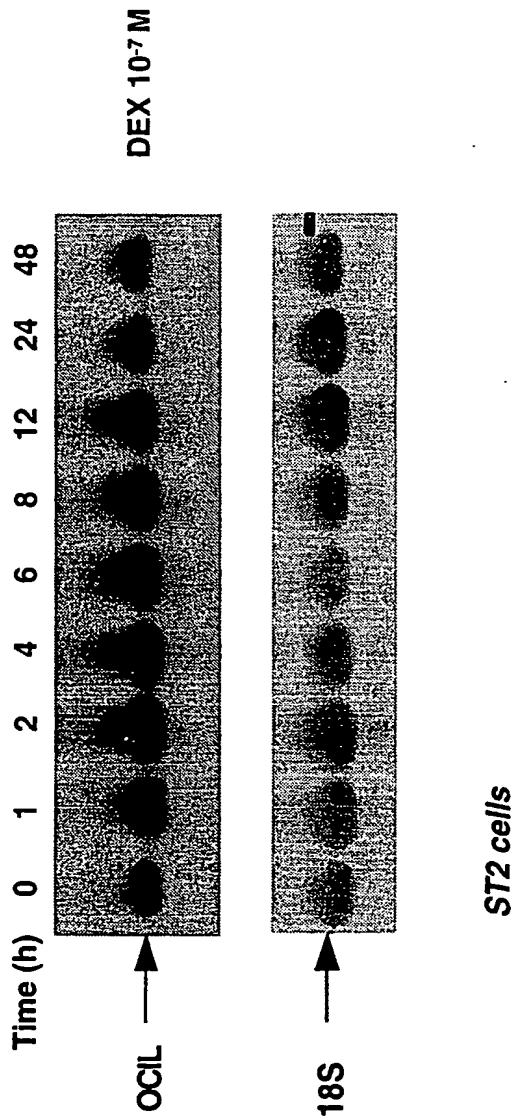


Figure 14B

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**Expression of OCIL mRNA during osteoclast formation
in mouse bone marrow culture**

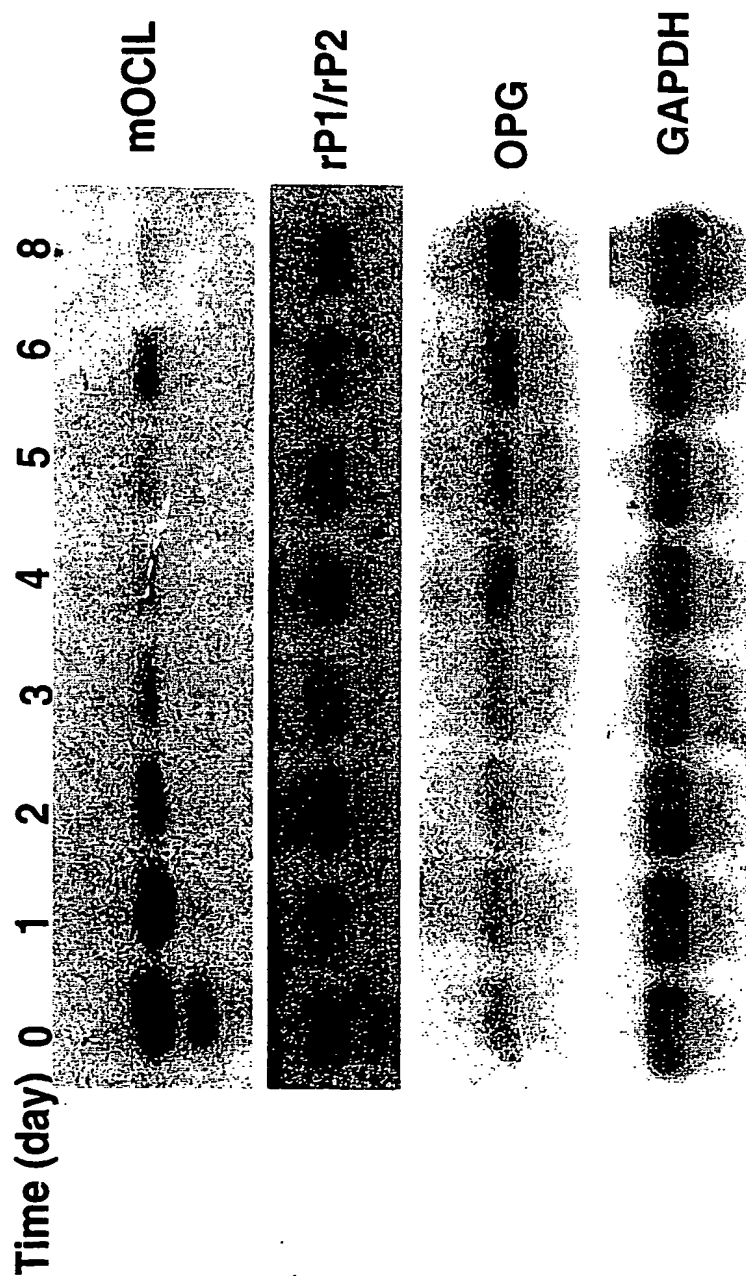


Figure 15

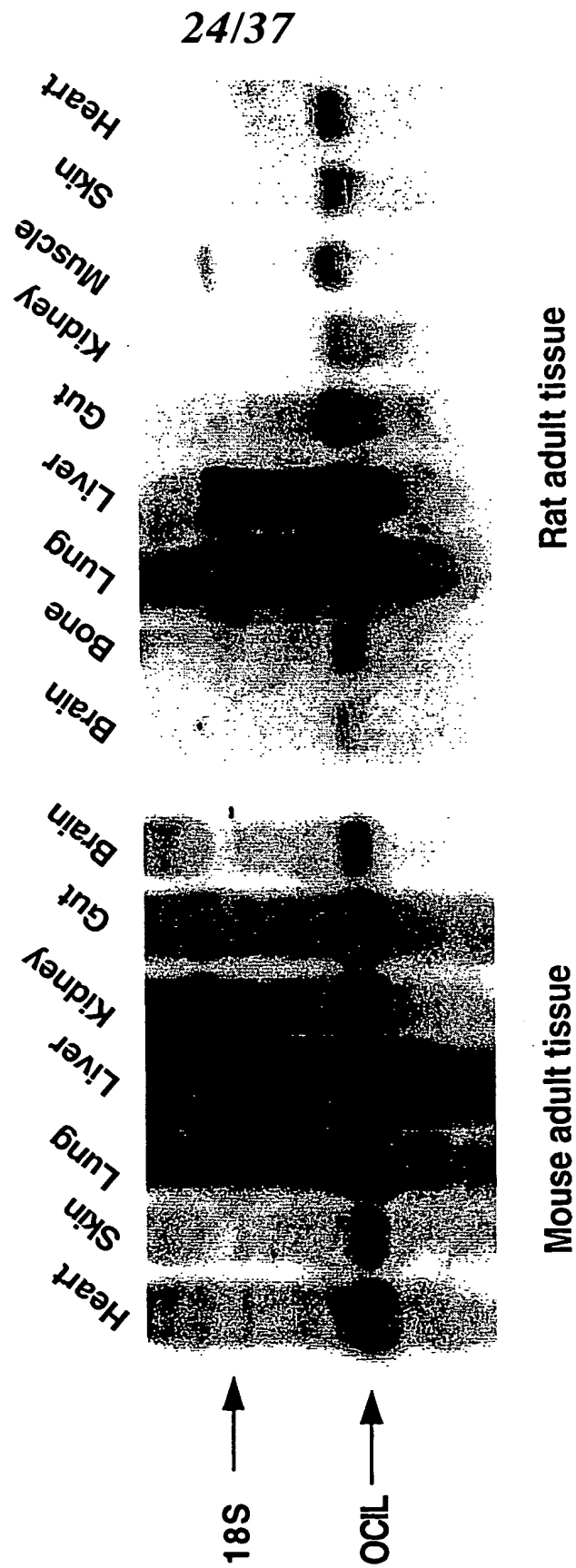


Figure 16

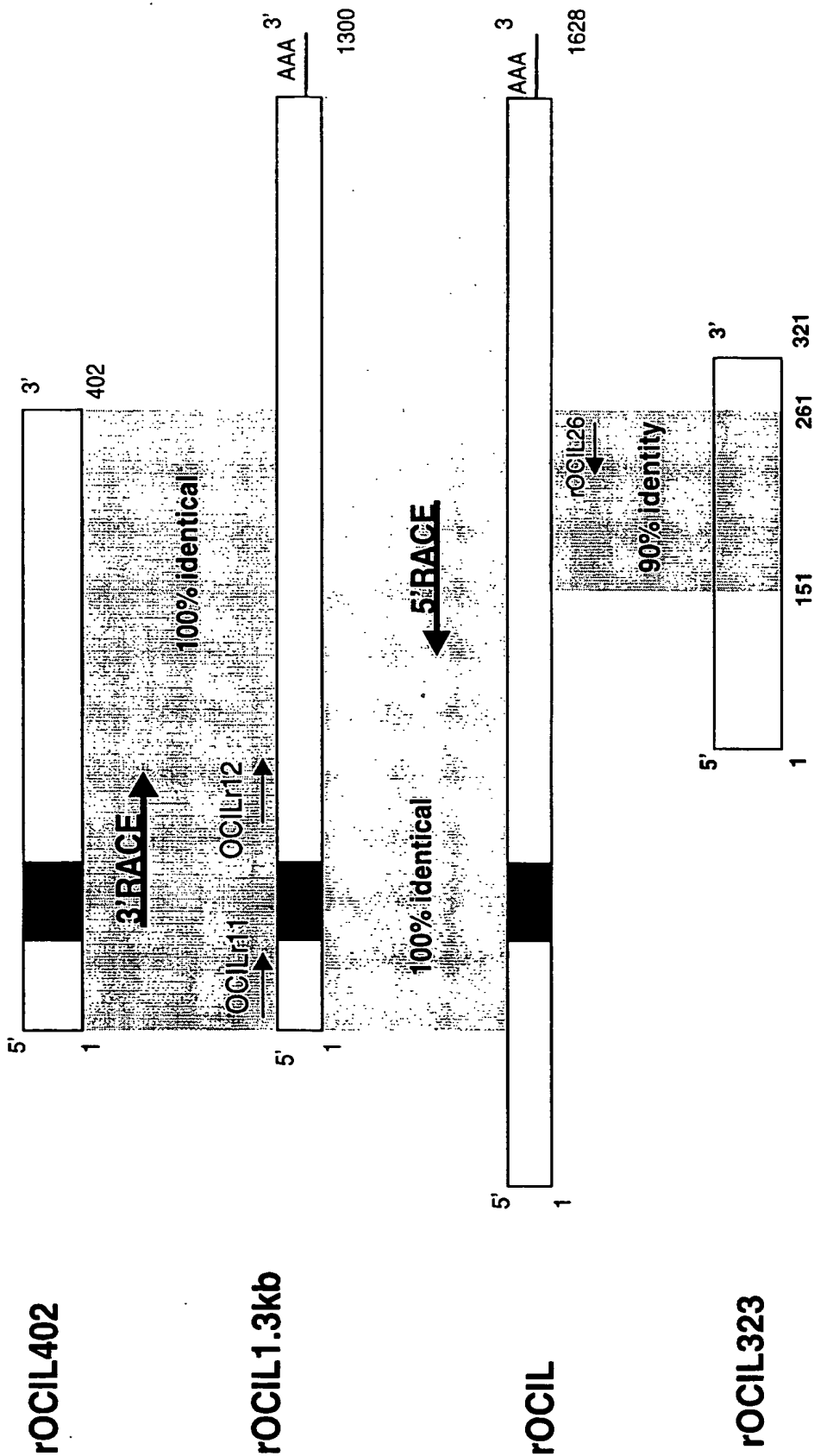


Figure 17

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hOCIL gene

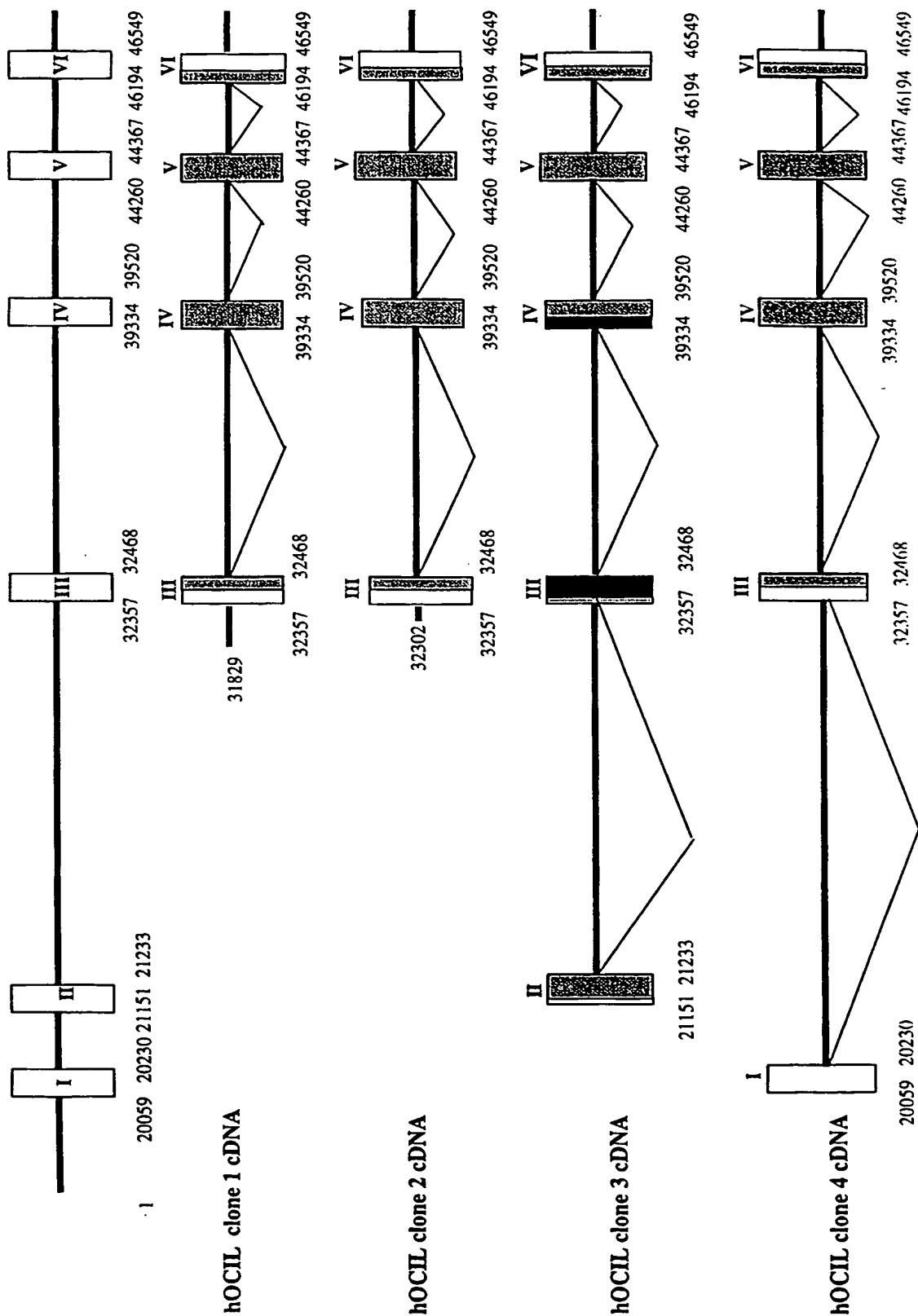
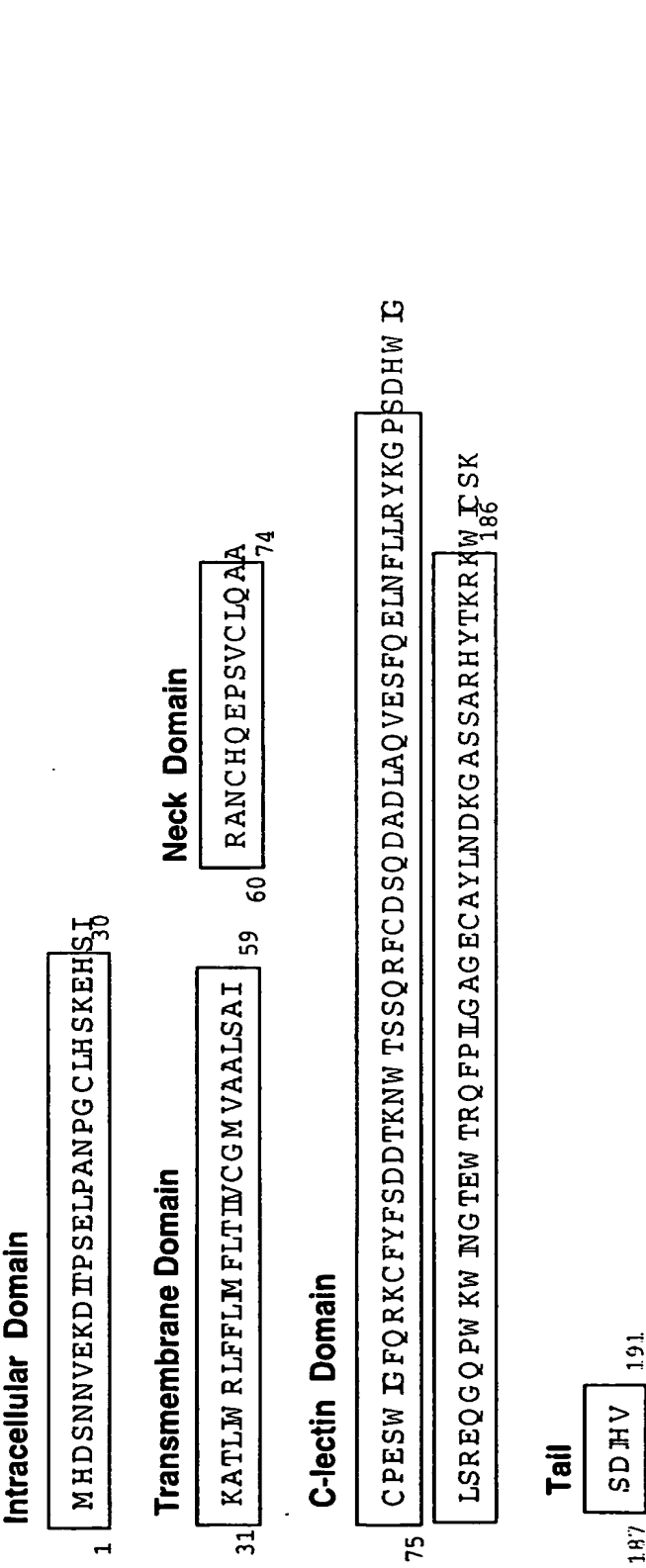


Figure 18A

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The deduced amino acid sequence of hOCIL clone 3 with a predicted cytoplasmic domain, a transmembrane domain and extracellular domain containing a neck domain, c-lectin domain and tail

Figure 18B

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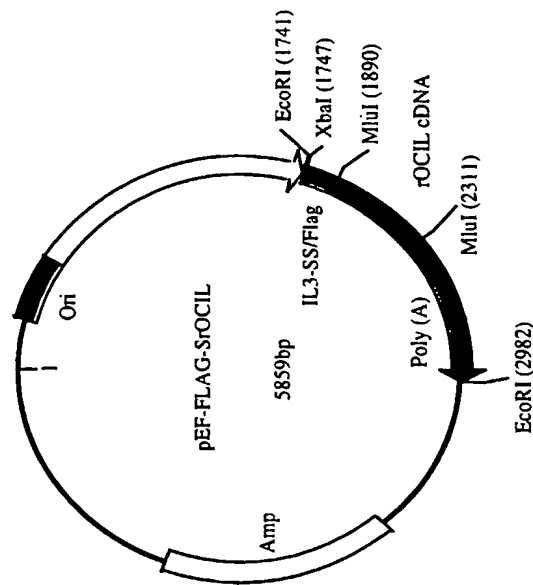


Figure 19B

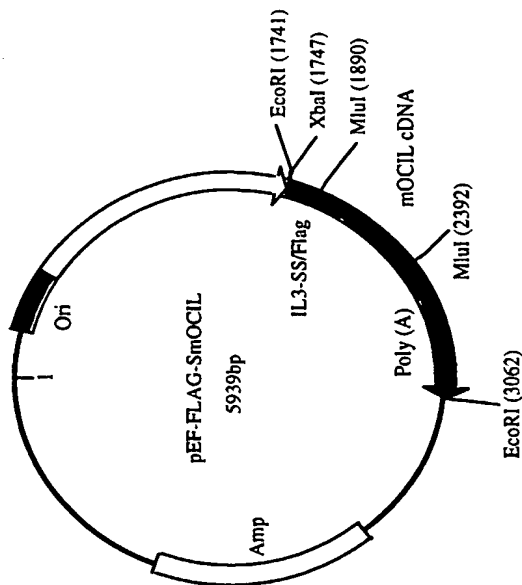
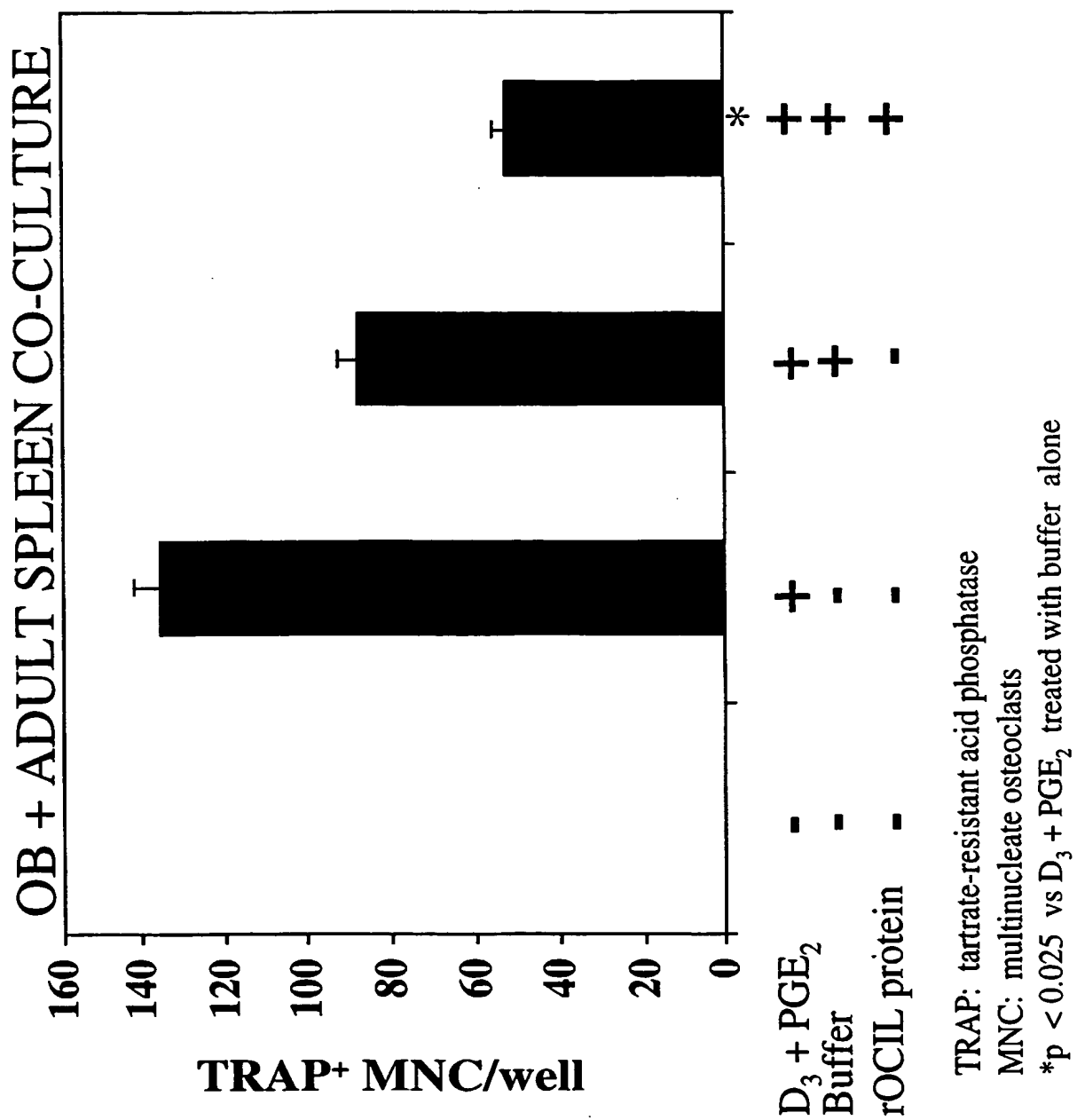


Figure 19A

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*Figure 20A*

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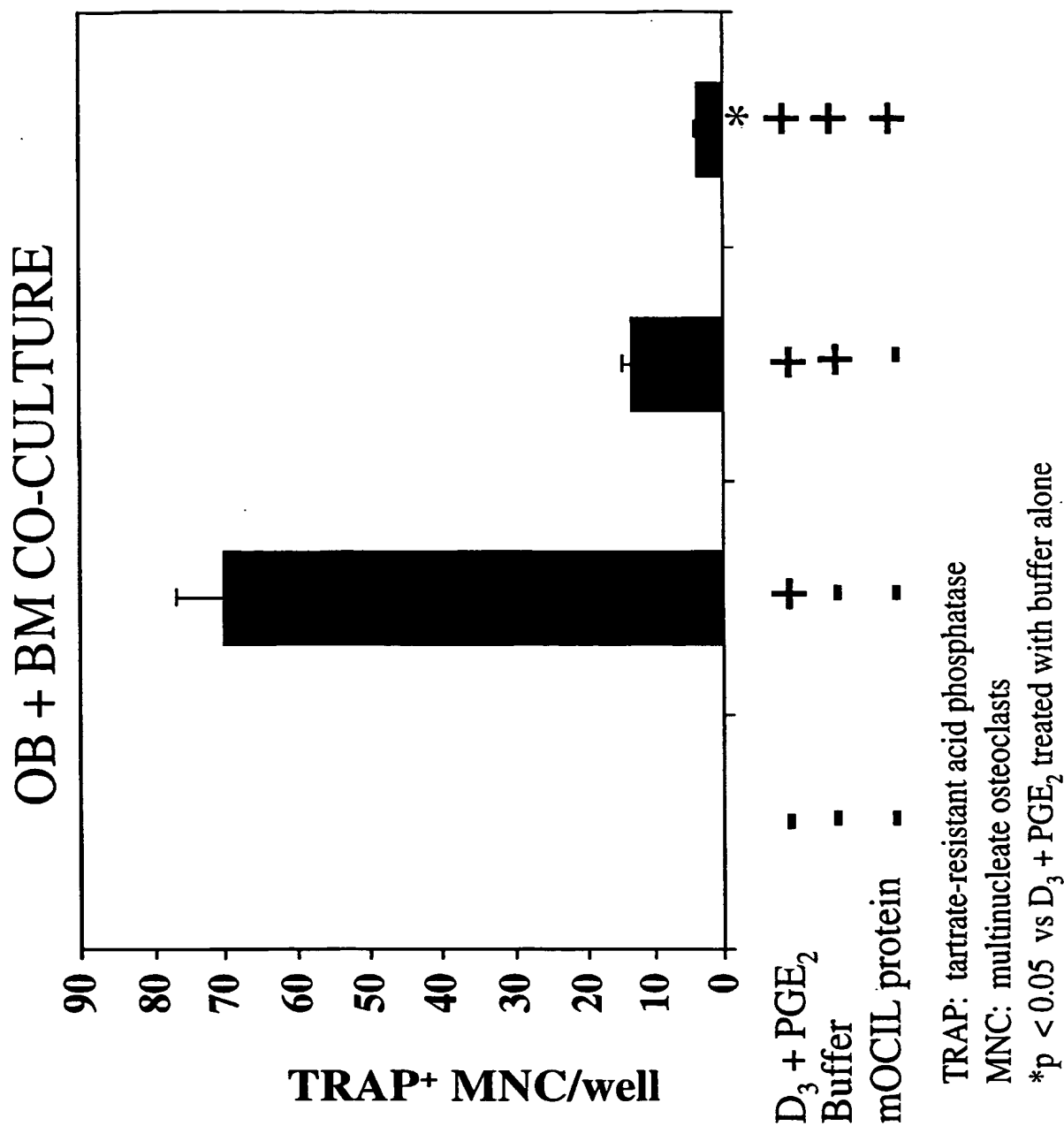
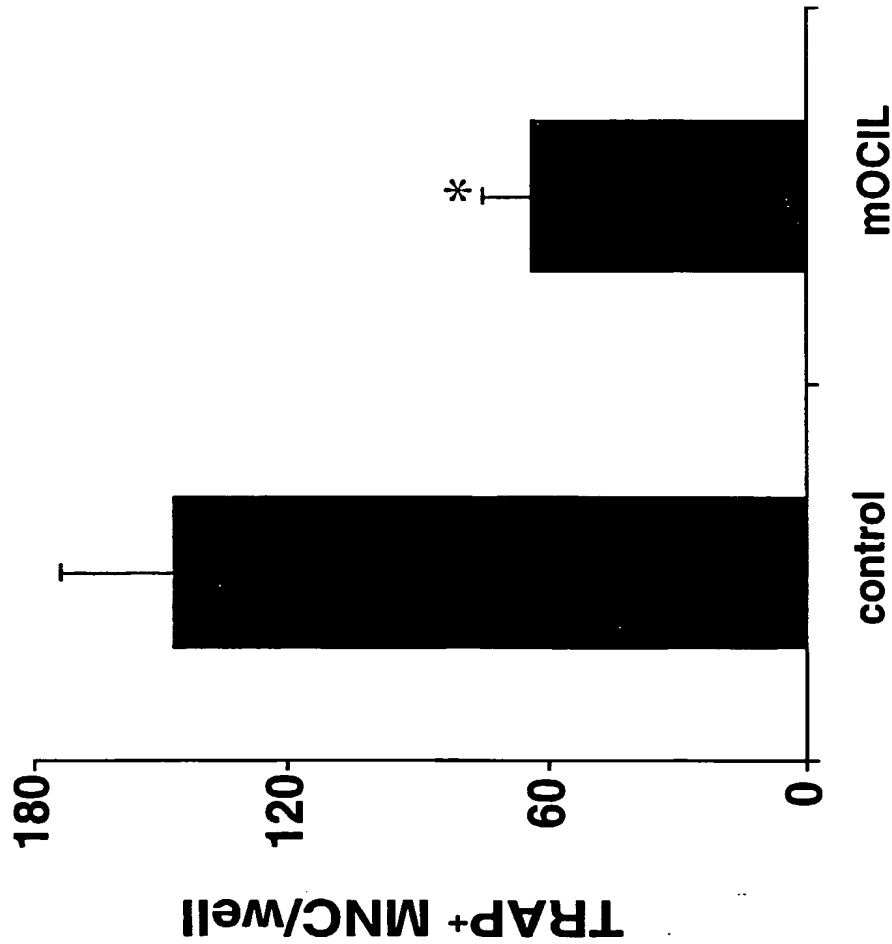


Figure 20B

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Mouse Spleen cell Culture + RANKL + M-CSF



msRANKL (50 ng/ml); hM-CSF (25 ng/ml); mOCIL protein (12.5 ng/ml).
* P < 0.05 vs control (RANKL and mCSF treated with buffer alone).

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Figure 23

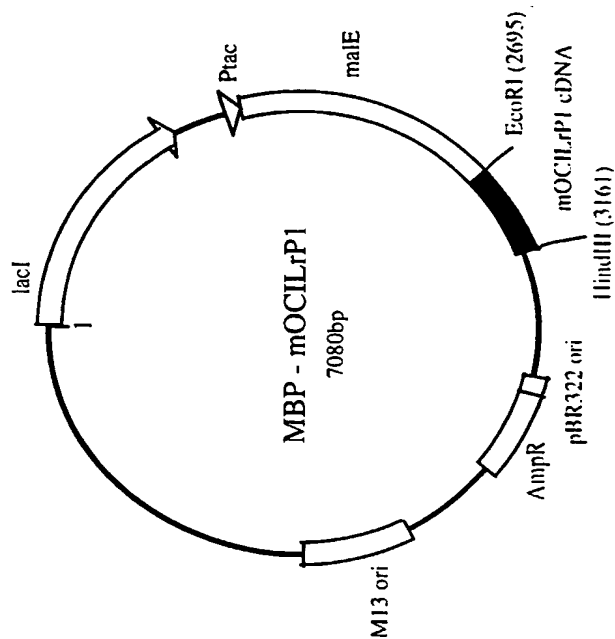


Figure 22

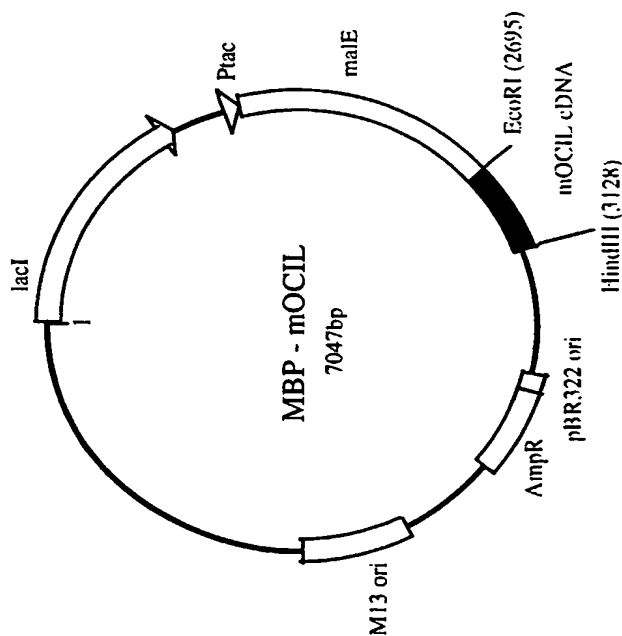


Figure 25

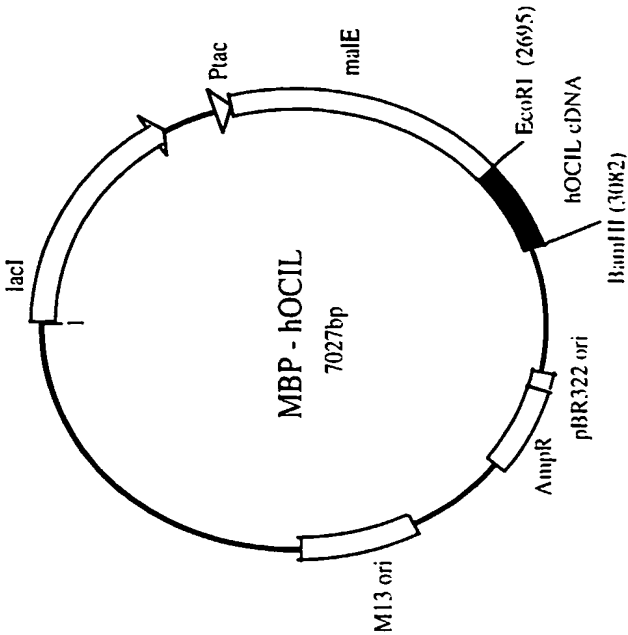
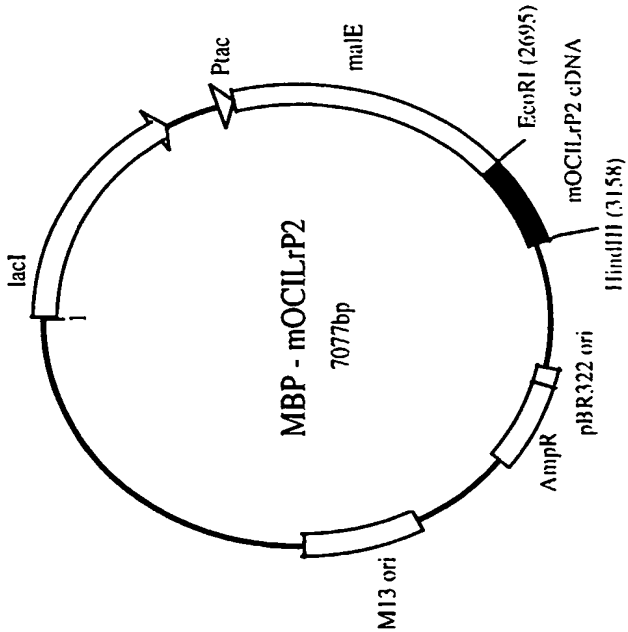


Figure 24



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spleen cell culture + RANKL + M-CSF

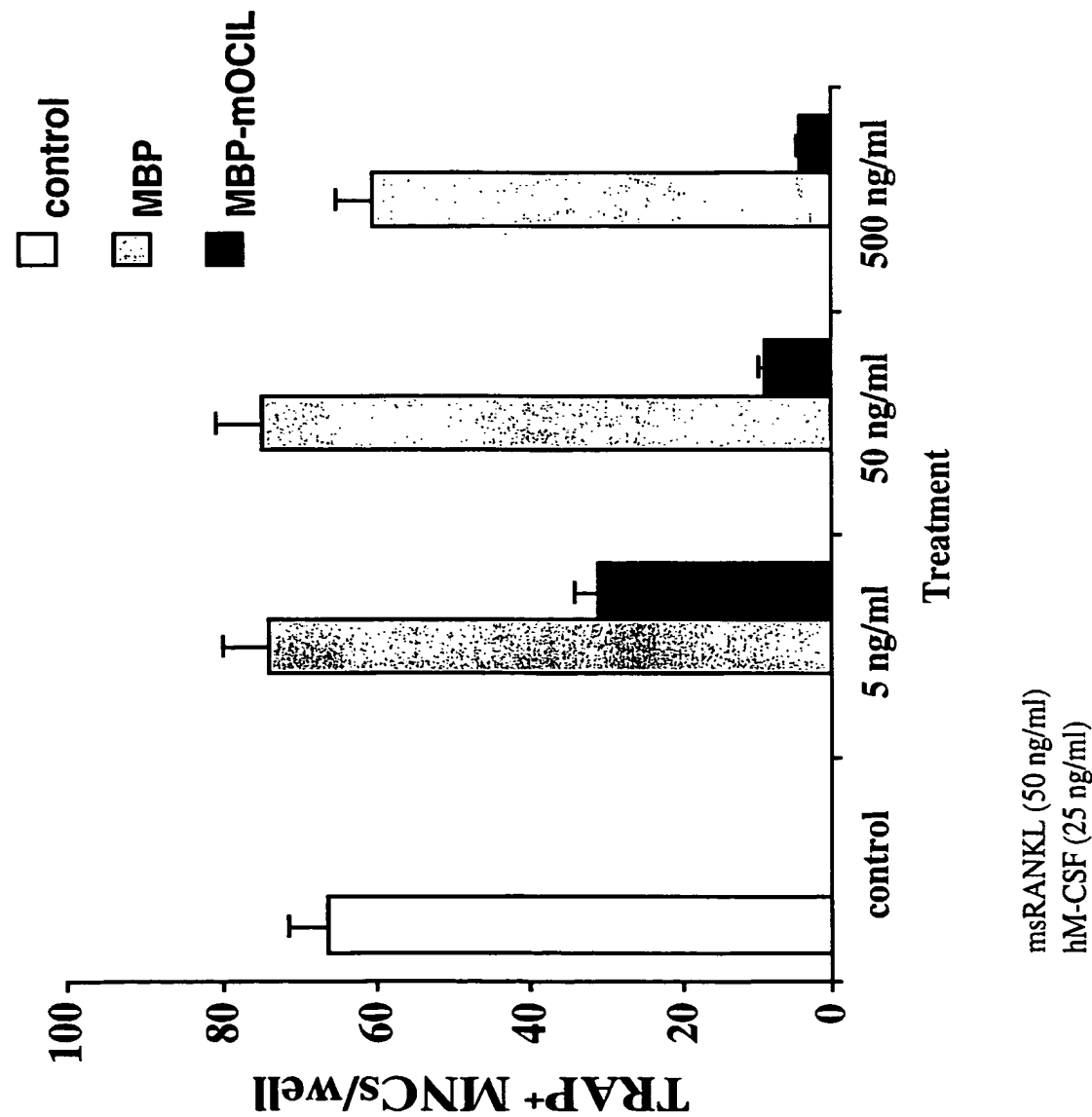
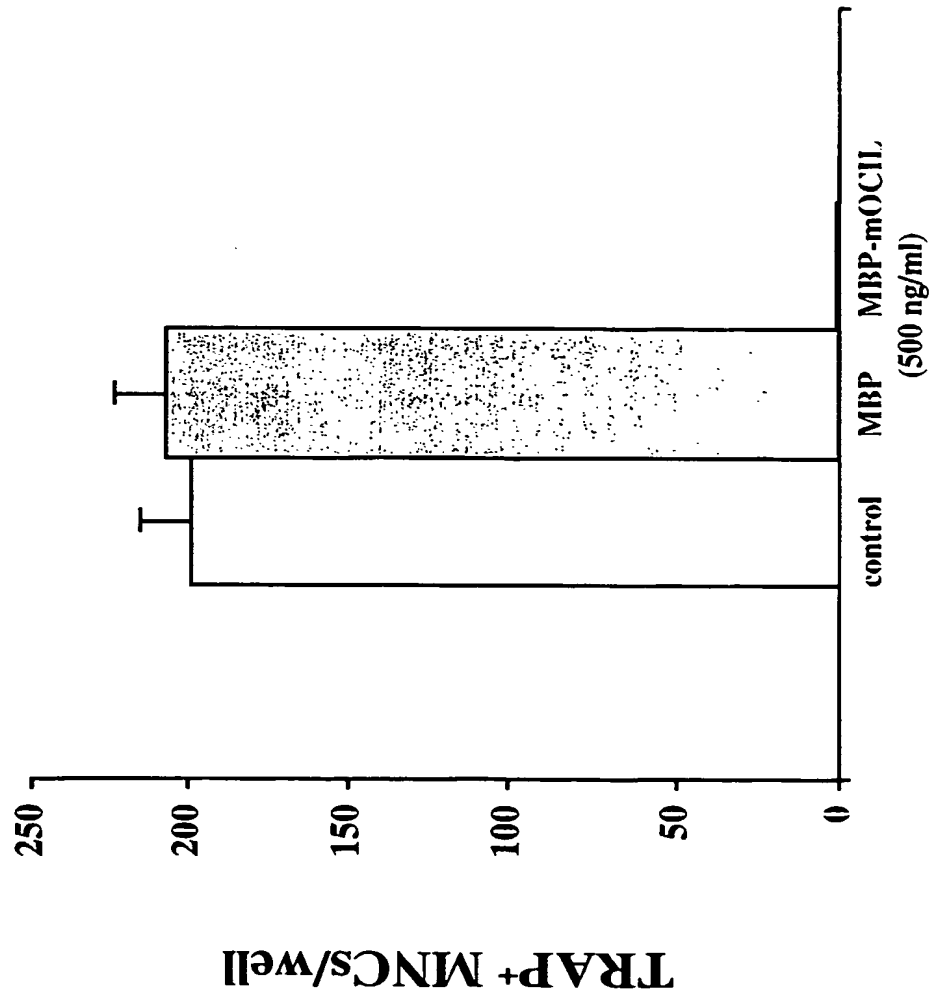


Figure 26A

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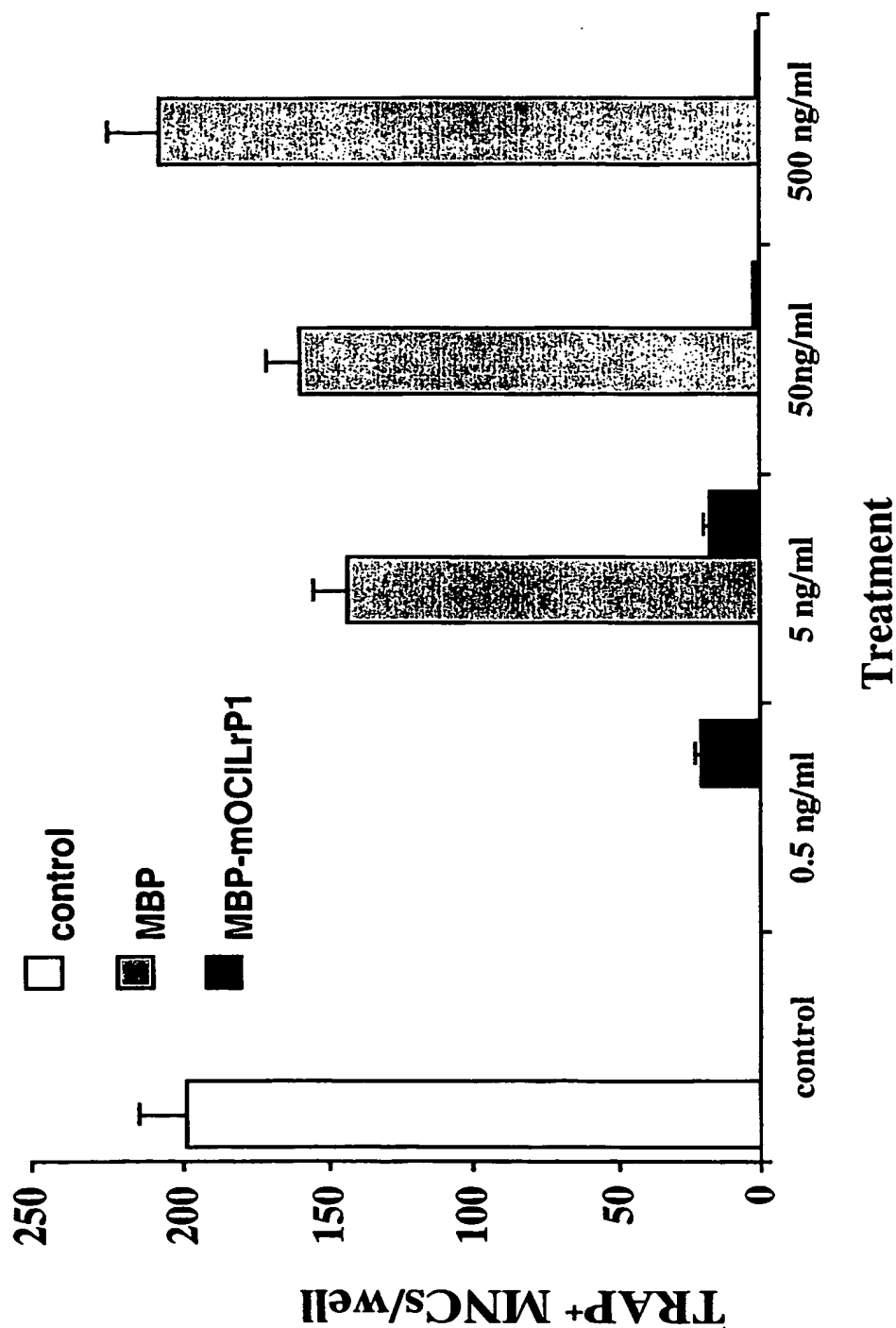
T cell depleted spleen cell culture



In all cultures, cells were treated with sRANKL (50 ng/ml) and hM-CSF (25 ng/ml).

Figure 26B

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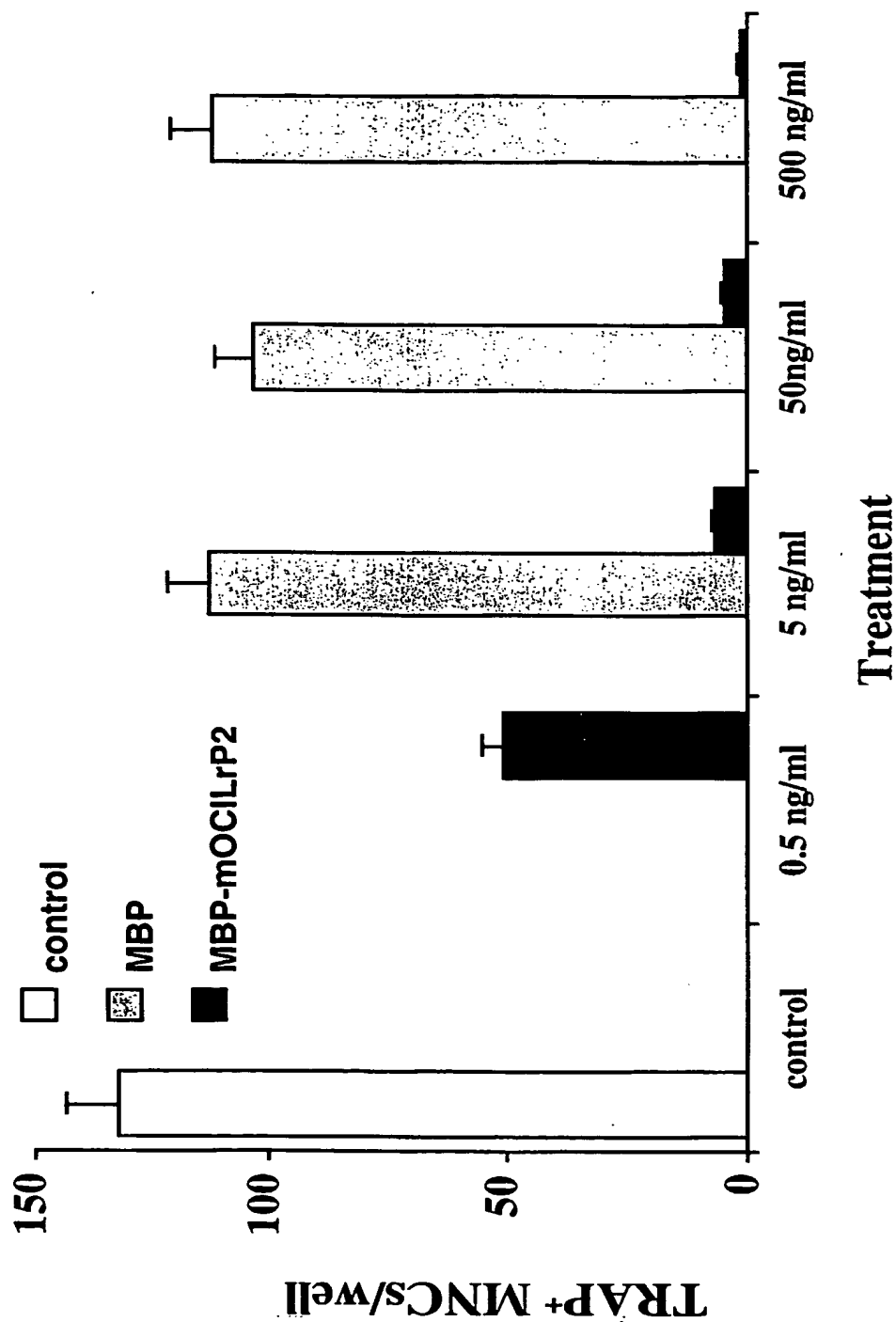
T cell depleted spleen cell culture

In all cultures, cells were treated with sRANKL (50 ng/ml) and hM-CSF (25 ng/ml).
Note 0.5 ng/ml MBP alone was not performed.

Figure 27A

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T cell depleted spleen cell culture



In all cultures, cells were treated with sRANKL (50 ng/ml) and hM-CSF (25 ng/ml).
Note 0.5 ng/ml MBP alone was not performed.

Figure 27B